

TOTAL WATERBORNE COMMERCE OF THE SAN FRANCISCO BAY AND DELTA AREAS, CA

Freight Traffic, 2001  
(thousand short tons)

Locality	*Foreign/Canadian		Domestic				Total	Percent	Through
	Inbound	Outbound	Coastwise		Internal				Traffic
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
ALVISO SLOUGH, CA	---	---	---	---	---	---	---	0.00	---
BERKELEY, CA	---	---	---	---	---	---	---	0.00	---
CARQUINEZ STRAIT, CA	4,569	918	6,156	1,162	1,007	51	13,863	22.28	6,340
COYOTE HILL SLOUGH, CA	---	---	---	---	---	---	---	0.00	---
NAPA RIVER, CA	---	---	---	---	110	---	110	0.18	---
NEWARK SLOUGH, CA	---	---	---	---	---	---	---	0.00	---
OAKLAND HARBOR, CA	3,850	6,868	327	1,112	116	---	12,273	19.72	---
OTHER SAN FRANCISCO BAY AREA PORTS, CA	---	---	1,146	---	1,256	9	2,411	3.88	---
PETALUMA RIVER, CA	---	---	---	---	322	---	322	0.52	---
REDWOOD CITY HARBOR, CA	630	202	---	3	---	---	835	1.34	---
RICHMOND HARBOR, CA	8,871	1,122	7,082	3,198	738	210	21,220	34.11	---
SACRAMENTO RIVER, CA	151	518	---	---	21	---	690	1.11	---
SAN FRANCISCO HARBOR, CA	1,394	804	2	---	97	0	2,298	3.69	---
SAN JOAQUIN RIVER, CA**	2,872	1,048	17	---	59	---	3,996	6.42	---
SAN PABLO BAY AND MARE ISLAND STRAIT, CA	686	230	257	891	405	---	2,468	3.97	19,927
SAN RAFAEL CREEK, CA	---	---	---	---	---	---	---	0.00	---
SUISUN BAY CHANNEL, CA	163	115	211	391	852	---	1,733	2.78	4,686
SUISUN CHANNEL, CA	---	---	---	---	---	---	---	0.00	---
TOTAL (UNADJUSTED)	23,187	11,824	15,198	6,756	4,983	271	62,220	---	30,953
PERCENT (UNADJUSTED)	37.27	19.00	24.43	10.86	8.01	0.44	---	100.00	---
NET VOLUME OF TONNAGE FOR THE AREA***	23,187	11,824	15,198	6,756	2,496	271	59,732	---	---
PERCENT (ADJUSTED)	38.82	19.80	25.44	11.31	4.18	0.45	---	100.00	---

\* Not included in the tonnage of the Bay and Delta Areas.

\*\* Tributaries to San Joaquin River include Mokelumne Middle, and Old River.

\*\*\* Adjusted to net volume by excluding duplication of internal traffic moved between ports and waterways of the San Francisco Bay and Delta Areas.

SAN FRANCISCO BAY ENTRANCE, CA

Section Included: Main ship channel. Controlling Depth: Main ship channel, 55.0 feet. Project Depth: Main ship channel, 55 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	67,119	1995	61,356	1998	49,929	<b>2001</b>	<b>56,965</b>
1993	65,727	1996	59,850	1999	50,666		
1994	67,220	1997	53,698	2000	51,387		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd*		Through	
							Upbound	Downbnd
<b>Total, all commodities</b>	<b>56,965</b>	<b>22,269</b>	<b>11,626</b>	<b>918</b>	<b>198</b>	<b>21,954</b>	<b>15,198</b>	<b>6,756</b>
<b>Total coal</b>	<b>30</b>	<b>14</b>	<b>15</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
1100 coal lignite	0	0	0	—	—	—	—	—
1200 coal coke	29	14	15	—	—	—	—	—
<b>Total petroleum and petroleum products</b>	<b>36,177</b>	<b>12,159</b>	<b>3,529</b>	<b>260</b>	<b>148</b>	<b>20,080</b>	<b>14,661</b>	<b>5,419</b>
<b>Subtotal crude petroleum</b>	<b>22,764</b>	<b>9,983</b>	<b>85</b>	<b>253</b>	<b>—</b>	<b>12,444</b>	<b>12,432</b>	<b>12</b>
2100 crude petroleum	22,764	9,983	85	253	—	12,444	12,432	12
<b>Subtotal petroleum products</b>	<b>13,413</b>	<b>2,176</b>	<b>3,444</b>	<b>7</b>	<b>148</b>	<b>7,637</b>	<b>2,229</b>	<b>5,408</b>
2211 gasoline	4,510	269	48	—	134	4,058	842	3,216
2221 kerosene	319	280	0	—	14	25	10	15
2330 distillate fuel oil	2,117	188	217	—	—	1,712	890	822
2340 residual fuel oil	3,489	773	1,773	7	—	936	288	648
2350 lube oil & greases	727	2	21	0	—	703	44	659
2410 petro. jelly & waxes	78	76	2	—	—	—	—	—
2429 naphtha & solvents	938	549	213	—	—	176	133	44
2430 asphalt, tar & pitch	17	—	1	—	—	16	16	—
2540 petroleum coke	1,209	40	1,170	—	—	—	—	—
2640 liquid natural gas	1	0	0	—	—	1	0	1
2990 petro. products nec	9	—	—	—	—	9	6	3
<b>Total chemicals and related products</b>	<b>3,677</b>	<b>1,974</b>	<b>813</b>	<b>455</b>	<b>22</b>	<b>414</b>	<b>159</b>	<b>255</b>
<b>Subtotal fertilizers</b>	<b>487</b>	<b>439</b>	<b>11</b>	<b>30</b>	<b>—</b>	<b>7</b>	<b>2</b>	<b>5</b>
3110 nitrogenous fert.	426	394	0	30	—	2	2	—
3120 phosphatic fert.	1	—	1	—	—	—	—	—
3130 potassic fert.	5	5	0	—	—	—	—	—
3190 fert. & mixes nec	55	40	9	—	—	5	—	5
<b>Subtotal other chemicals and related products</b>	<b>3,190</b>	<b>1,535</b>	<b>802</b>	<b>425</b>	<b>22</b>	<b>407</b>	<b>157</b>	<b>250</b>
3211 acyclic hydrocarbons	99	0	61	—	—	37	—	37
3212 benzene & toluene	178	92	0	—	—	86	19	67
3219 other hydrocarbons	4	1	3	—	0	—	—	—
3220 alcohols	294	123	4	29	—	138	23	116
3230 carboxylic acids	14	11	4	—	—	—	—	—
3240 nitrogen func. comp.	33	3	30	0	—	—	—	—
3250 organo - inorg. comp.	7	1	6	—	—	—	—	—
3260 organic comp. nec	980	739	3	238	—	—	—	—
3272 sulphuric acid	2	1	1	—	—	—	—	—
3273 ammonia	363	267	1	95	—	—	—	—
3274 sodium hydroxide	180	117	0	28	—	34	34	—
3275 inorg. elem., oxides, & halogen salts	515	5	508	1	0	2	—	2
3276 metallic salts	41	9	5	0	10	18	15	3
3279 inorganic chem. nec	4	3	1	—	—	—	—	—
3281 radioactive material	2	0	1	—	—	0	0	—
3282 pigments & paints	17	3	11	0	0	3	0	3
3283 coloring mat. nec	2	0	2	—	—	—	—	—
3284 medicines	15	2	12	—	—	1	0	1
3285 perfumes & cleansers	42	3	28	—	0	10	0	10
3286 plastics	131	50	79	—	0	3	—	3
3291 pesticides	5	2	3	—	—	1	—	1
3292 starches, gluten, glue	69	54	15	—	—	—	—	—
3293 explosives	2	1	0	—	—	0	—	0
3297 chemical additives	98	31	2	—	0	65	65	—
3298 wood & resin chem.	5	0	0	5	—	—	—	—
3299 chem. products nec	88	15	22	29	12	10	1	9
<b>Total crude materials, inedible except fuels</b>	<b>4,127</b>	<b>1,181</b>	<b>2,772</b>	<b>135</b>	<b>24</b>	<b>14</b>	<b>1</b>	<b>12</b>
<b>Subtotal forest products, wood and chips</b>	<b>477</b>	<b>264</b>	<b>203</b>	<b>1</b>	<b>—</b>	<b>9</b>	<b>0</b>	<b>9</b>
4110 rubber & gums	0	0	0	—	—	—	—	—
4150 fuel wood	1	1	1	—	—	—	—	—
4161 wood chips	161	0	161	—	—	—	—	—
4170 wood in the rough	69	62	7	—	—	—	—	—
4189 lumber	230	194	26	0	—	9	0	9
4190 forest products nec	15	7	8	0	—	0	0	—

SAN FRANCISCO BAY ENTRANCE, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd*		Through Upbound Downbnd	
<b>Subtotal pulp and waste paper</b>	<b>1,215</b>	<b>2</b>	<b>1,214</b>	—	—	—	—	—
4225 pulp & waste paper	1,215	2	1,214	—	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>828</b>	<b>690</b>	<b>3</b>	<b>134</b>	—	<b>1</b>	—	<b>1</b>
4310 building stone	33	30	2	0	—	—	—	—
4322 limestone	2	2	0	0	—	—	—	—
4323 gypsum	634	634	0	—	—	—	—	—
4331 sand & gravel	158	23	2	134	—	—	—	—
4338 soil & fill dirt	1	—	—	—	—	1	—	1
<b>Subtotal iron ore and scrap</b>	<b>933</b>	<b>0</b>	<b>932</b>	—	—	<b>1</b>	<b>1</b>	—
4410 iron ore	0	0	—	—	—	—	—	—
4420 iron & steel scrap	933	0	932	—	—	1	1	—
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	—	—	—	—	—	—
4515 marine shells	0	0	—	—	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>188</b>	<b>123</b>	<b>65</b>	<b>0</b>	—	—	—	—
4650 aluminum ore	123	121	2	—	—	—	—	—
4680 non-ferrous scrap	58	0	58	—	—	—	—	—
4690 non-ferrous ores nec	7	1	5	0	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>285</b>	<b>43</b>	<b>242</b>	—	—	—	—	—
4741 sulphur, (dry)	279	42	237	—	—	—	—	—
4782 clay & refrac. mat.	6	1	5	—	—	—	—	—
<b>Subtotal slag</b>	<b>55</b>	<b>55</b>	<b>0</b>	—	—	—	—	—
4860 slag	55	55	0	—	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>145</b>	<b>5</b>	<b>113</b>	<b>0</b>	<b>24</b>	<b>2</b>	<b>0</b>	<b>2</b>
4900 non-metal. min. nec	145	5	113	0	24	2	0	2
<b>Total primary manufactured goods</b>	<b>3,171</b>	<b>2,791</b>	<b>319</b>	<b>20</b>	<b>0</b>	<b>42</b>	<b>1</b>	<b>41</b>
<b>Subtotal paper products</b>	<b>179</b>	<b>106</b>	<b>54</b>	<b>15</b>	—	<b>4</b>	<b>0</b>	<b>4</b>
5110 newsprint	57	41	0	15	—	—	—	—
5120 paper & paperboard	90	46	43	0	—	1	0	1
5190 paper products nec	33	18	11	0	—	4	0	4
<b>Subtotal lime, cement and glass</b>	<b>1,459</b>	<b>1,409</b>	<b>28</b>	<b>3</b>	—	<b>18</b>	<b>0</b>	<b>18</b>
5210 lime	0	—	0	—	—	—	—	—
5220 cement & concrete	1,206	1,205	0	—	—	1	0	1
5240 glass & glass prod.	90	75	13	0	—	1	—	1
5290 misc. mineral prod.	162	129	15	2	—	17	0	17
<b>Subtotal primary iron and steel products</b>	<b>866</b>	<b>831</b>	<b>34</b>	<b>0</b>	—	<b>1</b>	—	<b>1</b>
5312 pig iron	1	1	0	—	—	—	—	—
5315 ferro alloys	0	0	0	—	—	—	—	—
5320 i&s primary forms	22	19	3	0	—	—	—	—
5330 i&s plates & sheets	614	587	28	—	—	—	—	—
5360 i&s bars & shapes	156	155	0	—	—	—	—	—
5370 i&s pipe & tube	60	58	1	—	—	1	—	1
5390 primary i&s nec	13	11	2	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>619</b>	<b>402</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>1</b>	<b>16</b>
5421 copper	6	4	3	—	—	—	—	—
5422 aluminum	12	9	4	—	—	—	—	—
5429 smelted prod. nec	166	3	163	0	—	—	—	—
5480 fab. metal products	434	386	30	0	0	17	1	16
<b>Subtotal primary wood products</b>	<b>48</b>	<b>43</b>	<b>3</b>	<b>2</b>	—	<b>1</b>	<b>0</b>	<b>1</b>
5540 primary wood prod.	48	43	3	2	—	1	0	1
<b>Total food and farm products</b>	<b>6,792</b>	<b>2,436</b>	<b>3,641</b>	<b>44</b>	<b>4</b>	<b>667</b>	<b>268</b>	<b>399</b>
<b>Subtotal fish</b>	<b>59</b>	<b>9</b>	<b>49</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
6134 fish (not shellfish)	29	6	23	0	0	0	0	0
6136 shellfish	29	3	26	0	0	—	—	—
<b>Subtotal grain</b>	<b>701</b>	<b>70</b>	<b>588</b>	—	<b>0</b>	<b>43</b>	<b>1</b>	<b>42</b>
6241 wheat	70	0	70	—	—	—	—	—
6344 corn	6	0	6	—	0	0	—	0
6442 rice	624	70	512	—	—	43	1	42
6443 barley & rye	0	0	—	—	—	—	—	—
6445 oats	1	0	0	—	—	—	—	—
6447 sorghum grains	0	—	0	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>430</b>	<b>386</b>	<b>45</b>	—	—	—	—	—
6521 peanuts	2	2	0	—	—	—	—	—
6522 soybeans	15	1	14	—	—	—	—	—
6590 oilseeds nec	414	383	31	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>712</b>	<b>373</b>	<b>314</b>	<b>3</b>	<b>0</b>	<b>21</b>	<b>2</b>	<b>19</b>
6653 vegetable oils	329	287	42	0	0	—	—	—
6654 vegetables & prod.	383	86	273	3	—	21	2	19
<b>Subtotal processed grain and animal feed</b>	<b>496</b>	<b>46</b>	<b>414</b>	<b>23</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>13</b>
6746 wheat flour	5	1	1	—	—	3	0	3
6747 grain mill products	56	15	39	0	0	1	0	1

SAN FRANCISCO BAY ENTRANCE, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd*		Through Upbound Downbnd	
6781 hay & fodder	266	26	217	23	—	0	—	0
6782 animal feed, prep.	169	4	156	—	—	9	0	9
<b>Subtotal other agricultural products</b>	<b>4,393</b>	<b>1,552</b>	<b>2,231</b>	<b>18</b>	<b>3</b>	<b>589</b>	<b>265</b>	<b>324</b>
6811 meat, fresh, frozen	650	97	509	—	1	44	1	43
6817 meat, prepared	21	2	19	—	—	—	—	—
6822 dairy products	96	8	58	0	0	30	1	29
6835 fish, prepared	20	16	4	—	—	—	—	—
6838 tallow, animal oils	9	0	8	—	0	—	—	—
6839 animals & prod. nec	162	4	148	—	0	10	5	6
6856 bananas & plantains	1	1	0	—	—	0	—	0
6857 fruit & nuts nec	554	21	528	0	0	4	1	3
6858 fruit juices	198	117	48	1	1	32	31	0
6861 sugar	689	518	1	—	—	169	169	1
6865 molasses	275	228	0	—	—	47	45	1
6871 coffee	90	82	4	1	0	4	2	2
6872 cocoa beans	10	10	0	0	—	—	—	—
6885 alcoholic beverages	668	289	324	14	1	40	2	39
6887 groceries	82	—	—	—	—	82	1	80
6888 water & ice	65	21	43	1	—	—	—	—
6889 food products nec	499	128	258	1	—	113	5	108
6891 tobacco & products	71	1	69	—	—	1	0	0
6893 cotton	202	2	201	—	—	—	—	—
6894 natural fibers nec	1	1	0	—	—	—	—	—
6899 farm products nec	31	7	10	0	0	14	2	12
<b>Total all manufactured equipment, machinery and products</b>	<b>2,685</b>	<b>1,553</b>	<b>403</b>	<b>2</b>	<b>0</b>	<b>726</b>	<b>105</b>	<b>621</b>
7110 machinery (not elec)	194	94	42	0	0	57	24	34
7120 electrical machinery	362	313	47	0	0	1	0	1
7210 vehicles & parts	595	428	55	0	0	111	33	78
7220 aircraft & parts	1	0	0	0	—	0	0	0
7230 ships & boats	26	1	24	—	0	0	0	0
7300 ordnance & access.	0	0	0	—	—	—	—	—
7400 manufac. wood prod.	71	37	27	0	—	7	1	5
7500 textile products	118	88	24	0	—	5	2	4
7600 rubber & plastic pr.	123	90	30	0	—	3	—	3
7900 manufac. prod. nec	1,196	501	153	1	0	541	44	496
<b>Total unknown or not elsewhere classified</b>	<b>306</b>	<b>161</b>	<b>133</b>	<b>1</b>	<b>0</b>	<b>11</b>	<b>3</b>	<b>8</b>
9900 unknown or nec	306	161	133	1	0	11	3	8

\*Includes 333 (x1000) tons of foreign upbound through in-transits; Includes 57 (x1000) tons of foreign downbound through in-transits;  
Includes 0 (x1000) tons of Canadian upbound through in-transits; Includes 1 (x1000) tons of Canadian downbound through in-transits.

SAN FRANCISCO HARBOR, CA

Section Included: From Fort Point to San Francisco Airport on the west side of the San Francisco Bay. Controlling Depth: Main ship channel, 55.0 feet; Presidio Shoal, 34.1 feet; Black Point Shoal, 35.5 feet; Rincon Reef Rock (inner), 41 feet; Rincon Reef (outer), 42.5 feet; Blossom Rock, 40 feet; Alcatraz Shoal, 34.5 feet; Arch Rock, 36.2 feet; Harding Rocks, 36.7 feet; Shag Rocks 1 and 2, 36.9 feet; Point Knox Shoal, 38.2 feet, Islais Creek Shoal, 38.2 feet; channel and basin at San Francisco Airport, 6.8 feet in the maintained 200-foot wide southerly portion; 8 feet in the maintained portion of turning basin, 8.6 feet to seaplane ramp. Project Depth: 55 feet in entrance channel across the bar; 40 feet across Presidio Shoal, Black Point Shoal, Blossom Rock, Rincon Reef Rock, and a portion of Alcatraz Shoal; 37 feet across Arch, Shag, and Harding Rocks; 35 feet across Racoon Shoal, and the western part of Point Knox Shoal; 35 feet across Islais Creek Shoal; 10 feet to the San Francisco Airport.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	3,198	1995	1,330	1998	1,330	2001	2,298
1993	2,340	1996	1,982	1999	1,933		
1994	1,739	1997	1,003	2000	3,588		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound*	Outbound*	Inbound	Outbound*	Total	Coastwise Receipts	Internal	
								Receipts	Shipments
<b>Total, all commodities</b>	<b>2,298</b>	<b>1,299</b>	<b>786</b>	<b>96</b>	<b>18</b>	<b>99</b>	<b>2</b>	<b>96</b>	<b>1</b>
<b>Total petroleum and petroleum products</b>	<b>1,127</b>	<b>802</b>	<b>285</b>	<b>—</b>	<b>—</b>	<b>39</b>	<b>2</b>	<b>37</b>	<b>—</b>
Subtotal crude petroleum	681	681	—	—	—	—	—	—	—
2100 crude petroleum	681	681	—	—	—	—	—	—	—
Subtotal petroleum products	446	122	285	—	—	39	2	37	—
2330 distillate fuel oil	62	—	38	—	—	24	—	24	—
2340 residual fuel oil	207	37	158	—	—	13	—	13	—
2350 lube oil & greases	3	—	0	—	—	2	2	—	—
2410 petro. jelly & waxes	0	0	0	—	—	—	—	—	—
2429 naphtha & solvents	115	85	30	—	—	—	—	—	—
2430 asphalt, tar & pitch	0	—	0	—	—	—	—	—	—
2540 petroleum coke	59	—	59	—	—	—	—	—	—
<b>Total chemicals and related products</b>	<b>220</b>	<b>96</b>	<b>96</b>	<b>28</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Subtotal fertilizers	0	0	0	—	—	—	—	—	—
3110 nitrogenous fert.	0	—	0	—	—	—	—	—	—
3190 fert. & mixes nec	0	0	0	—	—	—	—	—	—
Subtotal other chemicals and related products	219	96	95	28	0	—	—	—	—
3211 acyclic hydrocarbons	0	—	0	—	—	—	—	—	—
3212 benzene & toluene	9	9	0	—	—	—	—	—	—
3219 other hydrocarbons	0	—	0	—	—	—	—	—	—
3220 alcohols	1	1	0	—	—	—	—	—	—
3230 carboxylic acids	1	0	0	—	—	—	—	—	—
3240 nitrogen func. comp.	1	—	1	—	—	—	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—	—	—	—
3260 organic comp. nec	70	70	0	—	—	—	—	—	—
3272 sulphuric acid	0	—	0	—	—	—	—	—	—
3273 ammonia	14	14	0	—	—	—	—	—	—
3274 sodium hydroxide	0	—	0	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	85	0	84	—	—	—	—	—	—
3276 metallic salts	1	0	0	—	—	—	—	—	—
3279 inorganic chem. nec	0	—	0	—	—	—	—	—	—
3281 radioactive material	0	—	0	—	—	—	—	—	—
3282 pigments & paints	0	0	0	—	—	—	—	—	—

SAN FRANCISCO HARBOR, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound*	Outbound*	Inbound	Outbound*	Total	Coastwise Receipts	Internal	
								Receipts	Shipments
3283 coloring mat. nec	0	—	0	—	—	—	—	—	—
3284 medicines	0	0	0	—	—	—	—	—	—
3285 perfumes & cleansers	1	0	1	—	—	—	—	—	—
3286 plastics	5	0	4	—	—	—	—	—	—
3291 pesticides	0	0	0	—	—	—	—	—	—
3292 starches, gluten, glue	2	0	1	—	—	—	—	—	—
3293 explosives	0	—	0	—	—	—	—	—	—
3297 chemical additives	0	—	0	—	—	—	—	—	—
3299 chem. products nec	30	0	1	28	0	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>346</b>	<b>71</b>	<b>191</b>	<b>68</b>	<b>16</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>61</b>	<b>59</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>
4150 fuel wood	0	—	0	—	—	—	—	—	—
4161 wood chips	0	0	0	—	—	—	—	—	—
4170 wood in the rough	4	4	0	—	—	—	—	—	—
4189 lumber	57	56	1	—	—	0	—	0	—
4190 forest products nec	0	0	0	—	—	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>27</b>	<b>—</b>	<b>27</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	27	—	27	—	—	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>68</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4310 building stone	0	0	—	—	—	—	—	—	—
4331 sand & gravel	68	0	0	68	—	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>156</b>	<b>—</b>	<b>156</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	156	—	156	—	—	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>2</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4650 aluminum ore	0	—	0	—	—	—	—	—	—
4680 non-ferrous scrap	1	—	1	—	—	—	—	—	—
4690 non-ferrous ores nec	0	—	0	—	—	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	12	12	—	—	—	—	—	—	—
4782 clay & refrac. mat.	0	—	0	—	—	—	—	—	—
<b>Subtotal slag</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4860 slag	0	—	0	—	—	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>21</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>16</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	21	—	5	—	16	—	—	—	—
<b>Total primary manufactured goods</b>	<b>227</b>	<b>158</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>59</b>	<b>—</b>	<b>59</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5120 paper & paperboard	1	0	1	—	—	—	—	—	—
5190 paper products nec	1	0	0	—	—	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>62</b>	<b>3</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>59</b>	<b>—</b>	<b>59</b>	<b>—</b>
5240 glass & glass prod.	1	1	0	—	—	—	—	—	—
5290 misc. mineral prod.	61	2	1	—	—	59	—	59	—
<b>Subtotal primary iron and steel products</b>	<b>34</b>	<b>33</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5312 pig iron	0	—	0	—	—	—	—	—	—
5320 i&s primary forms	0	0	0	—	—	—	—	—	—

SAN FRANCISCO HARBOR, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound*	Outbound*	Inbound	Outbound*	Total	Coastwise Receipts	Internal	
								Receipts	Shipments
5330 i&s plates & sheets	33	33	0	—	—	—	—	—	—
5360 i&s bars & shapes	0	—	0	—	—	—	—	—	—
5370 i&s pipe & tube	0	0	0	—	—	—	—	—	—
5390 primary i&s nec	1	0	1	—	—	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>128</b>	<b>121</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5421 copper	1	1	0	—	—	—	—	—	—
5422 aluminum	0	—	0	—	—	—	—	—	—
5429 smelted prod. nec	5	0	4	—	—	—	—	—	—
5480 fab. metal products	122	121	2	—	—	—	—	—	—
<b>Subtotal primary wood products</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	2	1	0	—	—	—	—	—	—
<b>Total food and farm products</b>	<b>286</b>	<b>129</b>	<b>154</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>
<b>Subtotal fish</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	3	0	3	—	—	—	—	—	—
6136 shellfish	1	0	1	—	—	—	—	—	—
<b>Subtotal grain</b>	<b>28</b>	<b>0</b>	<b>28</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6344 corn	0	—	0	—	—	—	—	—	—
6442 rice	27	0	27	—	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6522 soybeans	0	—	0	—	—	—	—	—	—
6590 oilseeds nec	2	1	1	—	—	—	—	—	—
<b>Subtotal vegetable products</b>	<b>26</b>	<b>16</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6653 vegetable oils	14	12	1	—	—	—	—	—	—
6654 vegetables & prod.	13	4	9	—	—	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>20</b>	<b>1</b>	<b>19</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6746 wheat flour	0	0	0	—	—	—	—	—	—
6747 grain mill products	3	0	3	—	—	—	—	—	—
6781 hay & fodder	6	—	6	—	—	—	—	—	—
6782 animal feed, prep.	10	0	10	—	—	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>207</b>	<b>112</b>	<b>92</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>
6811 meat, fresh, frozen	40	13	26	—	1	—	—	—	—
6817 meat, prepared	1	0	1	—	—	—	—	—	—
6822 dairy products	6	1	5	—	0	—	—	—	—
6835 fish, prepared	5	3	2	—	—	—	—	—	—
6838 tallow, animal oils	1	0	1	—	—	—	—	—	—
6839 animals & prod. nec	4	0	4	—	—	—	—	—	—
6856 bananas & plantains	0	0	0	—	—	—	—	—	—
6857 fruit & nuts nec	19	1	17	—	0	—	—	—	—
6858 fruit juices	7	3	3	—	1	—	—	—	—
6861 sugar	39	39	0	—	—	—	—	—	—
6865 molasses	1	—	—	—	—	1	—	—	1
6871 coffee	22	22	0	—	—	—	—	—	—
6872 cocoa beans	0	0	0	—	—	—	—	—	—
6885 alcoholic beverages	31	23	7	—	—	—	—	—	—
6888 water & ice	1	0	1	—	—	—	—	—	—
6889 food products nec	20	4	16	—	—	—	—	—	—
6891 tobacco & products	4	0	4	—	—	—	—	—	—
6893 cotton	4	—	4	—	—	—	—	—	—
6899 farm products nec	1	0	1	—	0	—	—	—	—

SAN FRANCISCO HARBOR, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound*	Outbound*	Inbound	Outbound*	Total	Coastwise	Internal	
							Receipts	Receipts	Shipments
<b>Total all manufactured equipment, machinery and products</b>	<b>67</b>	<b>25</b>	<b>42</b>	<b>—</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>
7110 machinery (not elec)	4	2	2	—	0	—	—	—	—
7120 electrical machinery	6	4	2	—	—	—	—	—	—
7210 vehicles & parts	4	2	2	—	—	—	—	—	—
7220 aircraft & parts	0	0	0	—	—	—	—	—	—
7230 ships & boats	24	0	24	—	—	—	—	—	—
7300 ordnance & access.	0	0	—	—	—	—	—	—	—
7400 manufac. wood prod.	2	1	1	—	—	0	—	0	—
7500 textile products	2	1	1	—	—	—	—	—	—
7600 rubber & plastic pr.	3	1	2	—	—	—	—	—	—
7900 manufac. prod. nec	23	14	9	—	—	—	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>25</b>	<b>16</b>	<b>9</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	25	16	9	—	0	—	—	—	—

\*Includes 42 (x1000) tons of foreign inbound in-transits; Includes 16 (x1000) tons of foreign outbound in-transits;  
Includes 1 (x1000) tons of Canadian outbound in-transits.



REDWOOD CITY HARBOR, CA

Section Included: San Bruno Shoal channel 500 feet wide and about 4 miles long across; Redwood City Harbor channel, a channel from deep water in San Francisco Bay to Steinberger Slough. Controlling Depth: 30.8 feet in San Bruno Shoal channel; 29.8 feet in San Francisco Bay to Beacon No.8; 29.7 feet to Beacon No.15 and beginning of (outer) Turning Basin No.1; 29.5 feet in Turning Basin No.1; 29.5 feet in Turning Basin No.1; 28.5 feet to (upper) Turning Basin No.2; 29.1 in turning basin. Project Depth: 30 feet in San Bruno Shoal Channel; 30 feet to the head of the turning basin in Redwood Creek; 5 feet to Steinberger Slough, and 4 feet in Steinberger Slough.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	816	1995	754	1998	861	<b>2001</b>	<b>835</b>
1993	1,829	1996	985	1999	736		
1994	846	1997	1,293	2000	734		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic
		Inbound	Outbound	Inbound	Outbound	Coastwise Shipments
<b>Total, all commodities</b>	<b>835</b>	<b>625</b>	<b>184</b>	<b>5</b>	<b>18</b>	<b>3</b>
<b>Total chemicals and related products</b>	<b>17</b>	<b>---</b>	<b>---</b>	<b>5</b>	<b>10</b>	<b>3</b>
<b>Subtotal other chemicals and related products</b>	<b>17</b>	<b>---</b>	<b>---</b>	<b>5</b>	<b>10</b>	<b>3</b>
3276 metallic salts	13	---	---	---	10	3
3298 wood & resin chem.	5	---	---	5	---	---
<b>Total crude materials, inedible except fuels</b>	<b>396</b>	<b>231</b>	<b>157</b>	<b>---</b>	<b>8</b>	<b>---</b>
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>225</b>	<b>225</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4323 gypsum	210	210	---	---	---	---
4331 sand & gravel	15	15	---	---	---	---
<b>Subtotal iron ore and scrap</b>	<b>157</b>	<b>---</b>	<b>157</b>	<b>---</b>	<b>---</b>	<b>---</b>
4420 iron & steel scrap	157	---	157	---	---	---
<b>Subtotal slag</b>	<b>6</b>	<b>6</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4860 slag	6	6	---	---	---	---
<b>Subtotal other non-metal. min.</b>	<b>8</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>8</b>	<b>---</b>
4900 non-metal. min. nec	8	---	---	---	8	---
<b>Total primary manufactured goods</b>	<b>422</b>	<b>395</b>	<b>28</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal lime, cement and glass</b>	<b>395</b>	<b>395</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5220 cement & concrete	395	395	---	---	---	---
<b>Subtotal primary non-ferrous metal products</b>	<b>28</b>	<b>---</b>	<b>28</b>	<b>---</b>	<b>---</b>	<b>---</b>
5429 smelted prod. nec	28	---	28	---	---	---

OAKLAND HARBOR, CA

Section Included: Outer and inner harbor from deep water in San Francisco Bay to San Leandro Bay, a distance of 8.5 miles. Maintained Depth: 42.0 feet deep in the entrance channel to Oakland Outer Harbor, thence a channel and turning basin 42.0 feet deep in the Outer Harbor to Oakland Army Base; 42.0 feet deep in the entrance channel to Oakland Inner Harbor, 42.0 feet deep to Howard Terminal, thence 35.0 feet deep to Government Island, thence 18.0 feet deep to San Leandro Bay. The mean range of tide is 6.4 feet at Oakland Inner Harbor,

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	13,211	1995	13,224	1998	11,148	<b>2001</b>	<b>12,273</b>
1993	12,734	1996	11,230	1999	11,739		
1994	12,914	1997	10,858	2000	12,161		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
<b>Total, all commodities</b>	<b>10,717</b>	<b>3,736</b>	<b>6,825</b>	<b>113</b>	<b>43</b>
<b>Total coal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
1100 coal lignite	0	0	0	—	—
1200 coal coke	0	—	0	—	—
<b>Total petroleum and petroleum products</b>	<b>1,101</b>	<b>56</b>	<b>1,004</b>	<b>0</b>	<b>40</b>
<b>Subtotal crude petroleum</b>	<b>36</b>	<b>—</b>	<b>36</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	36	—	36	—	—
<b>Subtotal petroleum products</b>	<b>1,065</b>	<b>56</b>	<b>968</b>	<b>0</b>	<b>40</b>
2211 gasoline	79	38	7	—	35
2221 kerosene	6	—	0	—	6
2330 distillate fuel oil	47	17	30	—	—
2340 residual fuel oil	759	—	759	—	—
2350 lube oil & greases	6	0	6	0	—
2410 petro. jelly & waxes	3	2	2	—	—
2429 naphtha & solvents	161	0	161	—	—
2430 asphalt, tar & pitch	1	—	1	—	—
2540 petroleum coke	2	0	2	—	—
2640 liquid natural gas	0	0	0	—	—
<b>Total chemicals and related products</b>	<b>489</b>	<b>165</b>	<b>322</b>	<b>2</b>	<b>0</b>
<b>Subtotal fertilizers</b>	<b>14</b>	<b>3</b>	<b>11</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	0	0	0	—	—
3120 phosphatic fert.	1	—	1	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	12	3	9	—	—
<b>Subtotal other chemicals and related products</b>	<b>475</b>	<b>162</b>	<b>312</b>	<b>2</b>	<b>0</b>
3211 acyclic hydrocarbons	0	0	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	4	1	3	—	0
3220 alcohols	6	3	3	0	—
3230 carboxylic acids	11	8	3	—	—
3240 nitrogen func. comp.	32	3	29	0	—
3250 organo - inorg. comp.	4	1	2	—	—
3260 organic comp. nec	4	1	3	—	—
3272 sulphuric acid	2	1	1	—	—
3273 ammonia	1	1	1	—	—
3274 sodium hydroxide	1	1	0	—	—
3275 inorg. elem. oxides, & halogen salts	98	5	93	1	0
3276 metallic salts	13	8	5	0	—
3279 inorganic chem. nec	2	1	1	—	—
3281 radioactive material	2	0	1	—	—
3282 pigments & paints	13	2	11	0	0
3283 coloring mat. nec	2	0	2	—	—
3284 medicines	14	2	11	—	—
3285 perfumes & cleansers	30	3	27	—	0
3286 plastics	124	49	74	—	0
3291 pesticides	5	2	3	—	—
3292 starches, gluten, glue	68	54	14	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	2	0	2	—	0
3298 wood & resin chem.	0	0	0	—	—
3299 chem. products nec	35	13	21	1	0
<b>Total crude materials, inedible except fuels</b>	<b>2,069</b>	<b>204</b>	<b>1,798</b>	<b>67</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>191</b>	<b>157</b>	<b>33</b>	<b>1</b>	<b>—</b>
4110 rubber & gums	0	0	0	—	—
4150 fuel wood	1	1	0	—	—
4161 wood chips	0	0	0	—	—
4170 wood in the rough	39	32	7	—	—
4189 lumber	142	117	25	0	—
4190 forest products nec	8	7	1	0	—
<b>Subtotal pulp and waste paper</b>	<b>1,186</b>	<b>0</b>	<b>1,186</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	1,186	0	1,186	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>108</b>	<b>38</b>	<b>3</b>	<b>67</b>	<b>—</b>
4310 building stone	33	30	2	0	—
4322 limestone	2	2	0	0	—
4323 gypsum	0	0	0	—	—
4331 sand & gravel	73	6	1	66	—
<b>Subtotal iron ore and scrap</b>	<b>398</b>	<b>0</b>	<b>398</b>	<b>—</b>	<b>—</b>
4410 iron ore	0	0	—	—	—
4420 iron & steel scrap	398	0	398	—	—

OAKLAND HARBOR, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
<b>Subtotal marine shells</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>
4515 marine shells	0	0	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>66</b>	<b>2</b>	<b>64</b>	<b>0</b>	<b>—</b>
4650 aluminum ore	3	1	2	—	—
4680 non-ferrous scrap	56	0	56	—	—
4690 non-ferrous ores nec	7	1	5	0	—
<b>Subtotal sulphur, clay and salt</b>	<b>7</b>	<b>1</b>	<b>6</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	1	—	1	—	—
4782 clay & refrac. mat.	6	1	5	—	—
<b>Subtotal slag</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
4860 slag	0	0	0	—	—
<b>Subtotal other non-metal. min.</b>	<b>113</b>	<b>5</b>	<b>108</b>	<b>0</b>	<b>—</b>
4900 non-metal. min. nec	113	5	108	0	—
<b>Total primary manufactured goods</b>	<b>1,142</b>	<b>841</b>	<b>281</b>	<b>20</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>173</b>	<b>105</b>	<b>53</b>	<b>15</b>	<b>—</b>
5110 newsprint	57	41	0	15	—
5120 paper & paperboard	88	46	42	0	—
5190 paper products nec	28	18	11	0	—
<b>Subtotal lime, cement and glass</b>	<b>237</b>	<b>207</b>	<b>27</b>	<b>3</b>	<b>—</b>
5210 lime	0	—	0	—	—
5220 cement & concrete	5	5	0	—	—
5240 glass & glass prod.	88	75	13	0	—
5290 misc. mineral prod.	143	127	14	2	—
<b>Subtotal primary iron and steel products</b>	<b>349</b>	<b>317</b>	<b>33</b>	<b>0</b>	<b>—</b>
5312 pig iron	1	1	0	—	—
5315 ferro alloys	0	0	0	—	—
5320 i&s primary forms	20	17	3	0	—
5330 i&s plates & sheets	135	108	27	—	—
5360 i&s bars & shapes	137	136	0	—	—
5370 i&s pipe & tube	46	45	1	—	—
5390 primary i&s nec	10	9	1	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>365</b>	<b>199</b>	<b>166</b>	<b>0</b>	<b>0</b>
5421 copper	6	3	3	—	—
5422 aluminum	12	9	4	—	—
5429 smelted prod. nec	134	3	130	0	—
5480 fab. metal products	213	185	29	0	0
<b>Subtotal primary wood products</b>	<b>17</b>	<b>13</b>	<b>2</b>	<b>2</b>	<b>—</b>
5540 primary wood prod.	17	13	2	2	—
<b>Total food and farm products</b>	<b>3,865</b>	<b>906</b>	<b>2,936</b>	<b>21</b>	<b>2</b>
<b>Subtotal fish</b>	<b>55</b>	<b>9</b>	<b>45</b>	<b>0</b>	<b>0</b>
6134 fish (not shellfish)	26	6	20	0	0
6136 shellfish	28	3	25	0	0
<b>Subtotal grain</b>	<b>149</b>	<b>70</b>	<b>79</b>	<b>—</b>	<b>0</b>
6241 wheat	1	0	1	—	—
6344 corn	5	0	5	—	0
6442 rice	142	70	72	—	—
6443 barley & rye	0	0	—	—	—
6445 oats	1	0	0	—	—
6447 sorghum grains	0	—	0	—	—
<b>Subtotal oilseeds</b>	<b>31</b>	<b>6</b>	<b>25</b>	<b>—</b>	<b>—</b>
6521 peanuts	2	2	0	—	—
6522 soybeans	14	1	13	—	—
6590 oilseeds nec	14	3	11	—	—
<b>Subtotal vegetable products</b>	<b>362</b>	<b>92</b>	<b>266</b>	<b>3</b>	<b>0</b>
6653 vegetable oils	14	10	3	0	0
6654 vegetables & prod.	348	82	263	3	—
<b>Subtotal processed grain and animal feed</b>	<b>412</b>	<b>21</b>	<b>391</b>	<b>0</b>	<b>0</b>
6746 wheat flour	2	1	1	—	—
6747 grain mill products	52	15	37	0	0
6781 hay & fodder	212	2	210	—	—
6782 animal feed, prep.	146	3	143	—	—
<b>Subtotal other agricultural products</b>	<b>2,858</b>	<b>708</b>	<b>2,130</b>	<b>18</b>	<b>2</b>
6811 meat, fresh, frozen	566	84	482	—	0
6817 meat, prepared	20	2	18	—	—
6822 dairy products	60	7	53	0	—
6835 fish, prepared	15	13	2	—	—
6838 tallow, animal oils	2	0	1	—	0
6839 animals & prod. nec	148	4	144	—	0
6856 bananas & plantains	1	1	0	—	—
6857 fruit & nuts nec	527	16	511	0	0
6858 fruit juices	159	114	45	1	—
6861 sugar	2	1	1	—	—
6865 molasses	3	3	0	—	—
6871 coffee	64	60	3	1	0
6872 cocoa beans	10	9	0	0	—
6885 alcoholic beverages	596	265	316	14	1
6888 water & ice	64	21	42	1	—
6889 food products nec	340	99	240	1	—
6891 tobacco & products	67	1	66	—	—
6893 cotton	198	2	196	—	—
6894 natural fibers nec	1	1	0	—	—
6899 farm products nec	16	7	9	0	—

OAKLAND HARBOR, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
<b>Total all manufactured equipment, machinery and products</b>	<b>1,786</b>	<b>1,424</b>	<b>360</b>	<b>2</b>	<b>0</b>
7110 machinery (not elec)	127	87	40	0	0
7120 electrical machinery	350	305	45	0	0
7210 vehicles & parts	386	333	53	0	0
7220 aircraft & parts	1	0	0	0	—
7230 ships & boats	2	1	1	—	0
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	61	35	26	0	—
7500 textile products	111	88	23	0	—
7600 rubber & plastic pr.	116	88	28	0	—
7900 manufac. prod. nec	632	486	144	1	0
<b>Total unknown or not elsewhere classified</b>	<b>266</b>	<b>141</b>	<b>123</b>	<b>1</b>	<b>0</b>
9900 unknown or nec	266	141	123	1	0

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
<b>Total, all commodities</b>	<b>1,555</b>	<b>327</b>	<b>1,112</b>	<b>68</b>	<b>48</b>
<b>Total petroleum and petroleum products</b>	<b>123</b>	<b>117</b>	<b>7</b>	<b>—</b>	<b>—</b>
<b>Subtotal petroleum products</b>	<b>123</b>	<b>117</b>	<b>7</b>	<b>—</b>	<b>—</b>
2350 lube oil & greases	3	0	3	—	—
2429 naphtha & solvents	116	116	—	—	—
2640 liquid natural gas	1	0	1	—	—
2990 petro. products nec	3	0	3	—	—
<b>Total chemicals and related products</b>	<b>25</b>	<b>1</b>	<b>24</b>	<b>—</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>5</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>—</b>
3190 fert. & mixes nec	5	—	5	—	—
<b>Subtotal other chemicals and related products</b>	<b>20</b>	<b>1</b>	<b>19</b>	<b>—</b>	<b>—</b>
3275 inorg. elem., oxides, & halogen salts	2	—	2	—	—
3281 radioactive material	0	0	—	—	—
3282 pigments & paints	3	0	3	—	—
3284 medicines	1	0	1	—	—
3285 perfumes & cleansers	10	0	10	—	—
3286 plastics	3	—	3	—	—
3291 pesticides	1	—	1	—	—
3293 explosives	0	—	0	—	—
3299 chem. products nec	1	1	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>80</b>	<b>1</b>	<b>12</b>	<b>66</b>	<b>0</b>
<b>Subtotal forest products, wood and chips</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>—</b>	<b>0</b>
4189 lumber	9	0	9	—	0
4190 forest products nec	0	0	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>67</b>	<b>—</b>	<b>1</b>	<b>66</b>	<b>—</b>
4331 sand & gravel	66	—	—	66	—
4338 soil & fill dirt	1	—	1	—	—
<b>Subtotal iron ore and scrap</b>	<b>1</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	1	1	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	2	0	2	—	—
<b>Total primary manufactured goods</b>	<b>42</b>	<b>1</b>	<b>41</b>	<b>—</b>	<b>0</b>
<b>Subtotal paper products</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>—</b>	<b>—</b>
5120 paper & paperboard	1	0	1	—	—
5190 paper products nec	4	0	4	—	—
<b>Subtotal lime, cement and glass</b>	<b>18</b>	<b>0</b>	<b>18</b>	<b>—</b>	<b>0</b>
5220 cement & concrete	1	0	1	—	—
5240 glass & glass prod.	1	—	1	—	—
5290 misc. mineral prod.	17	0	17	—	0
<b>Subtotal primary iron and steel products</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>0</b>
5370 i&s pipe & tube	1	—	1	—	0
<b>Subtotal primary non-ferrous metal products</b>	<b>17</b>	<b>1</b>	<b>16</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	17	1	16	—	—
<b>Subtotal primary wood products</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	1	0	1	—	—
<b>Total food and farm products</b>	<b>548</b>	<b>99</b>	<b>399</b>	<b>1</b>	<b>48</b>
<b>Subtotal fish</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	0	0	0	—	—
<b>Subtotal grain</b>	<b>43</b>	<b>1</b>	<b>42</b>	<b>—</b>	<b>—</b>
6344 corn	0	—	0	—	—
6442 rice	43	1	42	—	—
<b>Subtotal vegetable products</b>	<b>21</b>	<b>2</b>	<b>19</b>	<b>—</b>	<b>—</b>
6654 vegetables & prod.	21	2	19	—	—
<b>Subtotal processed grain and animal feed</b>	<b>14</b>	<b>0</b>	<b>13</b>	<b>—</b>	<b>—</b>
6746 wheat flour	3	0	3	—	—
6747 grain mill products	1	0	1	—	—
6781 hay & fodder	0	—	0	—	—

OAKLAND HARBOR, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
6782 animal feed, prep.	9	0	9	—	—
<b>Subtotal other agricultural products</b>	<b>470</b>	<b>96</b>	<b>324</b>	<b>1</b>	<b>48</b>
6811 meat, fresh, frozen	44	1	43	—	—
6822 dairy products	30	1	29	—	—
6839 animals & prod. nec	10	5	6	—	—
6856 bananas & plantains	0	—	0	—	—
6857 fruit & nuts nec	4	1	3	—	—
6858 fruit juices	32	31	0	—	—
6861 sugar	1	—	1	—	—
6865 molasses	96	45	1	1	48
6871 coffee	4	2	2	—	—
6885 alcoholic beverages	40	2	39	—	—
6887 groceries	82	1	80	—	—
6889 food products nec	113	5	108	—	—
6891 tobacco & products	1	0	0	—	—
6899 farm products nec	14	2	12	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>726</b>	<b>105</b>	<b>621</b>	<b>—</b>	<b>0</b>
7110 machinery (not elec)	57	24	34	—	—
7120 electrical machinery	1	0	1	—	—
7210 vehicles & parts	111	33	78	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	0	0	0	—	—
7400 manufac. wood prod.	7	1	5	—	0
7500 textile products	5	2	4	—	—
7600 rubber & plastic pr.	3	—	3	—	—
7900 manufac. prod. nec	541	44	496	—	—
<b>Total unknown or not elsewhere classified</b>	<b>11</b>	<b>3</b>	<b>8</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	11	3	8	—	—

\*Includes 94 (x1000) tons of foreign inbound in-transits; Includes 41 (x1000) tons of foreign outbound in-transits;  
Includes 0 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound in-transits.

RICHMOND HARBOR, CA

Section Included: Inner harbor, from southern end of Richmond Long Wharf maneuvering area to the head of Santa Fe Channel, a distance of about 5 miles; outer harbor, from southern end of maneuvering area at Richmond Long Wharf to Point San Pablo and the north side of Point San Pablo; includes a connecting channel (Southampton Channel) to the Richmond Long Wharf maneuvering area and approach areas at Point San Pablo and Point Orient. Controlling Depth: 45.7 feet in Southampton Channel (connecting channel from San Francisco Bay to Richmond Long Wharf maneuvering area); 44.7 feet in maneuvering area to Richmond Long Wharf; 34.8 feet from Richmond Long Wharf maneuvering area to turning basin Point Richmond; 34.8 feet in Point Richmond turning basin; 34.5 feet to Point Potrero; 34.0 feet in turning basin at Point Potrero; Point Potrero (southerly apex only) 28.7 feet; 34.7 feet to Lauritzen Canal then 30.4 feet in Santa Fe Channel to upper turning basin; 30.4 feet in upper turning basin; 27 feet in approach to Point Orient; 26 feet in approach to Point San Pablo; 30.6 feet at Molate Point; and 33.4 feet in West Richmond Channel. Project Depth: 45 feet in connecting channel (Southampton Channel) from San Francisco Bay to Richmond Long Wharf maneuvering area; 45 feet in maneuvering area to Richmond Long Wharf; 35 feet to turning basin at Point Richmond; 35 feet to Point Potrero; 35 feet to Santa Fe Channel; 35 feet in Santa Fe Channel for approximately 2,000 feet then 30 feet in the remainder of Santa Fe Channel and turning basin; 20 feet in channel east of Point San Pablo Channel; 32 feet in approach to Point Orient; 32 feet in approach to Point San Pablo.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	21,042	1995	20,839	1998	19,020	<b>2001</b>	<b>21,220</b>
1993	24,570	1996	21,803	1999	22,356		
1994	24,094	1997	21,706	2000	19,388		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Inbound*	Outbound	Inbound
<b>Total, all commodities</b>	<b>9,993</b>	<b>8,657</b>	<b>1,122</b>	<b>214</b>
<b>Total coal</b>	<b>8</b>	<b>8</b>	<b>—</b>	<b>—</b>
1200 coal coke	8	8	—	—
<b>Total petroleum and petroleum products</b>	<b>8,321</b>	<b>7,572</b>	<b>646</b>	<b>102</b>
<b>Subtotal crude petroleum</b>	<b>6,369</b>	<b>6,269</b>	<b>1</b>	<b>99</b>
2100 crude petroleum	6,369	6,269	1	99
<b>Subtotal petroleum products</b>	<b>1,952</b>	<b>1,303</b>	<b>645</b>	<b>3</b>
2211 gasoline	60	60	—	—
2221 kerosene	83	83	—	—
2330 distillate fuel oil	96	90	6	—
2340 residual fuel oil	1,037	680	354	3
2350 lube oil & greases	16	2	15	—
2410 petro. jelly & waxes	75	75	—	—
2429 naphtha & solvents	296	275	21	—
2540 petroleum coke	289	40	249	—
<b>Total chemicals and related products</b>	<b>626</b>	<b>283</b>	<b>232</b>	<b>111</b>
<b>Subtotal fertilizers</b>	<b>37</b>	<b>37</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	32	32	—	—
3190 fert. & mixes nec	5	5	—	—
<b>Subtotal other chemicals and related products</b>	<b>588</b>	<b>245</b>	<b>232</b>	<b>111</b>
3211 acyclic hydrocarbons	61	—	61	—
3212 benzene & toluene	32	32	—	—
3220 alcohols	92	63	—	29
3230 carboxylic acids	1	1	—	—
3250 organo - inorg. comp.	3	—	3	—
3260 organic comp. nec	118	36	—	82
3274 sodium hydroxide	94	94	—	—
3275 inorg. elem., oxides, & halogen salts	167	—	167	—
3279 inorganic chem. nec	3	3	—	—
3282 pigments & paints	0	0	—	—
3286 plastics	0	—	0	—
3297 chemical additives	14	14	—	—
3299 chem. products nec	1	1	—	—
<b>Total crude materials, inedible except fuels</b>	<b>551</b>	<b>360</b>	<b>191</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>8</b>	<b>0</b>	<b>7</b>	<b>—</b>
4170 wood in the rough	0	0	—	—
4189 lumber	0	0	—	—
4190 forest products nec	7	—	7	—
<b>Subtotal pulp and waste paper</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>—</b>
4225 pulp & waste paper	1	—	1	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>196</b>	<b>196</b>	<b>—</b>	<b>—</b>
4323 gypsum	196	196	—	—
<b>Subtotal iron ore and scrap</b>	<b>183</b>	<b>—</b>	<b>183</b>	<b>—</b>
4420 iron & steel scrap	183	—	183	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>121</b>	<b>120</b>	<b>0</b>	<b>—</b>
4650 aluminum ore	120	120	—	—
4680 non-ferrous scrap	0	—	0	—
<b>Subtotal slag</b>	<b>42</b>	<b>42</b>	<b>—</b>	<b>—</b>
4860 slag	42	42	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>
4900 non-metal. min. nec	0	—	0	—
<b>Total primary manufactured goods</b>	<b>112</b>	<b>112</b>	<b>0</b>	<b>—</b>
<b>Subtotal lime, cement and glass</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>
5290 misc. mineral prod.	0	—	0	—
<b>Subtotal primary iron and steel products</b>	<b>99</b>	<b>99</b>	<b>—</b>	<b>—</b>
5320 i&s primary forms	2	2	—	—
5330 i&s plates & sheets	73	73	—	—
5360 i&s bars & shapes	17	17	—	—
5370 i&s pipe & tube	6	6	—	—
5390 primary i&s nec	2	2	—	—

RICHMOND HARBOR, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian Inbound
		Inbound*	Outbound	
<b>Subtotal primary non-ferrous metal products</b>	<b>13</b>	<b>12</b>	<b>0</b>	<b>---</b>
5422 aluminum	0	---	0	---
5429 smelted prod. nec	0	---	0	---
5480 fab. metal products	12	12	0	---
<b>Total food and farm products</b>	<b>373</b>	<b>322</b>	<b>51</b>	<b>---</b>
<b>Subtotal oilseeds</b>	<b>57</b>	<b>56</b>	<b>1</b>	<b>---</b>
6590 oilseeds nec	57	56	1	---
<b>Subtotal vegetable products</b>	<b>292</b>	<b>254</b>	<b>38</b>	<b>---</b>
6653 vegetable oils	291	254	37	---
6654 vegetables & prod.	1	---	1	---
<b>Subtotal processed grain and animal feed</b>	<b>4</b>	<b>---</b>	<b>4</b>	<b>---</b>
6747 grain mill products	0	---	0	---
6781 hay & fodder	0	---	0	---
6782 animal feed, prep.	4	---	4	---
<b>Subtotal other agricultural products</b>	<b>20</b>	<b>13</b>	<b>8</b>	<b>---</b>
6811 meat, fresh, frozen	1	---	1	---
6817 meat, prepared	0	---	0	---
6838 tallow, animal oils	4	---	4	---
6839 animals & prod. nec	0	---	0	---
6857 fruit & nuts nec	5	4	0	---
6858 fruit juices	0	---	0	---
6861 sugar	0	---	0	---
6865 molasses	6	6	---	---
6885 alcoholic beverages	1	---	1	---
6889 food products nec	3	3	1	---
6893 cotton	0	---	0	---
<b>Total all manufactured equipment, machinery and products</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>---</b>
7110 machinery (not elec)	0	0	0	---
7120 electrical machinery	0	---	0	---
7210 vehicles & parts	0	0	---	---
7230 ships & boats	0	0	---	---
7400 manufac. wood prod.	0	---	0	---
7500 textile products	0	---	0	---
7600 rubber & plastic pr.	0	---	0	---
7900 manufac. prod. nec	1	0	0	---
<b>Total unknown or not elsewhere classified</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>---</b>
9900 unknown or nec	2	0	1	---

Commodity	Total	Domestic				
		Coastwise		Internal		Intraport
		Receipts	Shipments	Receipts	Shipments	
<b>Total, all commodities</b>	<b>11,227</b>	<b>7,082</b>	<b>3,198</b>	<b>313</b>	<b>425</b>	<b>210</b>
<b>Total petroleum and petroleum products</b>	<b>10,980</b>	<b>7,041</b>	<b>3,085</b>	<b>312</b>	<b>335</b>	<b>208</b>
<b>Subtotal crude petroleum</b>	<b>6,130</b>	<b>6,030</b>	<b>12</b>	<b>88</b>	<b>---</b>	<b>---</b>
2100 crude petroleum	6,130	6,030	12	88	---	---
<b>Subtotal petroleum products</b>	<b>4,851</b>	<b>1,011</b>	<b>3,073</b>	<b>224</b>	<b>335</b>	<b>208</b>
2211 gasoline	2,326	225	2,012	71	8	10
2330 distillate fuel oil	879	543	249	56	16	16
2340 residual fuel oil	920	206	248	88	237	141
2350 lube oil & greases	722	33	565	9	74	41
2429 naphtha & solvents	3	3	---	---	---	---
<b>Total chemicals and related products</b>	<b>168</b>	<b>41</b>	<b>113</b>	<b>---</b>	<b>12</b>	<b>3</b>
<b>Subtotal other chemicals and related products</b>	<b>168</b>	<b>41</b>	<b>113</b>	<b>---</b>	<b>12</b>	<b>3</b>
3211 acyclic hydrocarbons	40	---	37	---	---	3
3212 benzene & toluene	77	7	67	---	4	---
3274 sodium hydroxide	34	34	---	---	---	---
3297 chemical additives	8	---	---	---	8	---
3299 chem. products nec	9	---	9	---	---	---
<b>Total crude materials, inedible except fuels</b>	<b>79</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>79</b>	<b>---</b>
<b>Subtotal forest products, wood and chips</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>0</b>	<b>---</b>
4189 lumber	0	---	---	0	0	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>79</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>79</b>	<b>---</b>
4331 sand & gravel	79	---	---	---	79	---

RICHMOND HARBOR, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
<b>Total primary manufactured goods</b>	<b>0</b>	---	---	<b>0</b>	<b>0</b>	---
<b>Subtotal lime, cement and glass</b>	<b>0</b>	---	---	<b>0</b>	<b>0</b>	---
5290 misc. mineral prod.	0	---	---	0	0	---
<b>Subtotal primary iron and steel products</b>	<b>0</b>	---	---	<b>0</b>	---	---
5370 i&s pipe & tube	0	---	---	0	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	---	---	<b>0</b>	<b>0</b>	---
7400 manufac. wood prod.	0	---	---	0	0	---

\*Includes 66 (x1000) tons of foreign inbound in-transits.



SAN PABLO BAY AND MARE ISLAND STRAIT, CA

Section Included: All of San Pablo Bay and Mare Island Strait. Controlling Depth: Pinole Shoal channel 36.3 feet from San Pablo buoy at beginning of channel to buoy 9; 34.3 feet to buoy 11; 35.1 feet to end of channel; Mare Island Strait (the maintained westerly 55% of project width) 36.3 feet to the Navy Ammunition Pier; 35.8 feet to Finger Pier No. 21; 36.0 feet to "A" Street (end of maintained section); 20.5 feet to the end of 26-foot project at causeway. Project Depth: 35 feet in Pinole Shoal Channel and 30 feet in Mare Island Strait, except at upstream end of turning basin, 26 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	36,085	1995	31,265	1998	20,198	<b>2001</b>	<b>22,396</b>
1993	34,447	1996	28,579	1999	18,612		
1994	32,367	1997	22,480	2000	19,877		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound	Through		Outbound	Through	
				Upbound*	Downbnd*		Upbound	Downbnd
<b>Total, all commodities</b>	<b>11,270</b>	<b>686</b>	<b>122</b>	<b>7,266</b>	<b>2,587</b>	<b>108</b>	<b>490</b>	<b>12</b>
<b>Total coal</b>	<b>22</b>	<b>---</b>	<b>---</b>	<b>7</b>	<b>15</b>	<b>---</b>	<b>---</b>	<b>---</b>
1200 coal coke	22	---	---	7	15	---	---	---
<b>Total petroleum and petroleum products</b>	<b>5,587</b>	<b>625</b>	<b>78</b>	<b>3,103</b>	<b>1,516</b>	<b>108</b>	<b>158</b>	<b>---</b>
<b>Subtotal crude petroleum</b>	<b>3,235</b>	<b>612</b>	<b>---</b>	<b>2,422</b>	<b>47</b>	<b>---</b>	<b>154</b>	<b>---</b>
2100 crude petroleum	3,235	612	---	2,422	47	---	154	---
<b>Subtotal petroleum products</b>	<b>2,352</b>	<b>13</b>	<b>78</b>	<b>681</b>	<b>1,468</b>	<b>108</b>	<b>4</b>	<b>---</b>
2211 gasoline	313	---	23	172	19	99	---	---
2221 kerosene	205	---	---	197	---	9	---	---
2330 distillate fuel oil	224	13	45	67	98	---	---	---
2340 residual fuel oil	562	---	10	57	491	---	4	---
2350 lube oil & greases	1	---	---	---	1	---	---	---
2429 naphtha & solvents	189	---	---	189	---	---	---	---
2540 petroleum coke	858	---	---	---	858	---	---	---
<b>Total chemicals and related products</b>	<b>1,915</b>	<b>61</b>	<b>44</b>	<b>1,370</b>	<b>119</b>	<b>---</b>	<b>309</b>	<b>12</b>
<b>Subtotal fertilizers</b>	<b>429</b>	<b>---</b>	<b>---</b>	<b>399</b>	<b>---</b>	<b>---</b>	<b>30</b>	<b>---</b>
3110 nitrogenous fert.	392	---	---	362	---	---	30	---
3130 potassic fert.	4	---	---	4	---	---	---	---
3190 fert. & mixes nec	32	---	---	32	---	---	---	---
<b>Subtotal other chemicals and related products</b>	<b>1,486</b>	<b>61</b>	<b>44</b>	<b>972</b>	<b>119</b>	<b>---</b>	<b>279</b>	<b>12</b>
3212 benzene & toluene	51	44	---	7	---	---	---	---
3220 alcohols	56	---	---	56	---	---	---	---
3230 carboxylic acids	1	---	---	1	---	---	---	---
3260 organic comp. nec	788	---	---	632	---	---	156	---
3273 ammonia	348	---	---	253	---	---	95	---
3274 sodium hydroxide	51	---	---	22	---	---	28	---
3275 inorg. elem., oxides, & halogen salts	164	---	44	0	119	---	---	---
3297 chemical additives	16	16	---	---	---	---	---	---
3299 chem. products nec	12	---	---	1	---	---	---	12
<b>Total crude materials, inedible except fuels</b>	<b>751</b>	<b>---</b>	<b>---</b>	<b>316</b>	<b>435</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal forest products, wood and chips</b>	<b>208</b>	<b>---</b>	<b>---</b>	<b>48</b>	<b>160</b>	<b>---</b>	<b>---</b>	<b>---</b>
4161 wood chips	160	---	---	---	160	---	---	---
4170 wood in the rough	26	---	---	26	---	---	---	---
4189 lumber	22	---	---	22	---	---	---	---
<b>Subtotal pulp and waste paper</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4225 pulp & waste paper	1	---	---	1	---	---	---	---
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>230</b>	<b>---</b>	<b>---</b>	<b>230</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4323 gypsum	228	---	---	228	---	---	---	---
4331 sand & gravel	2	---	---	2	---	---	---	---
<b>Subtotal iron ore and scrap</b>	<b>39</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>39</b>	<b>---</b>	<b>---</b>	<b>---</b>
4420 iron & steel scrap	39	---	---	---	39	---	---	---
<b>Subtotal sulphur, clay and salt</b>	<b>267</b>	<b>---</b>	<b>---</b>	<b>31</b>	<b>236</b>	<b>---</b>	<b>---</b>	<b>---</b>
4741 sulphur, (dry)	267	---	---	31	236	---	---	---
<b>Subtotal slag</b>	<b>7</b>	<b>---</b>	<b>---</b>	<b>7</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
4860 slag	7	---	---	7	---	---	---	---
<b>Total primary manufactured goods</b>	<b>1,286</b>	<b>---</b>	<b>---</b>	<b>1,286</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>Subtotal lime, cement and glass</b>	<b>805</b>	<b>---</b>	<b>---</b>	<b>805</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5220 cement & concrete	805	---	---	805	---	---	---	---
5240 glass & glass prod.	0	---	---	0	---	---	---	---
5290 misc. mineral prod.	0	---	---	0	---	---	---	---
<b>Subtotal primary iron and steel products</b>	<b>383</b>	<b>---</b>	<b>---</b>	<b>383</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
5330 i&s plates & sheets	374	---	---	374	---	---	---	---
5360 i&s bars & shapes	2	---	---	2	---	---	---	---

SAN PABLO BAY AND MARE ISLAND STRAIT, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound	Through		Outbound	Through	
				Upbound*	Downbnd*		Upbound	Downbnd
5370 i&s pipe & tube	7	—	—	7	—	—	—	—
Subtotal primary non-ferrous metal products	69	—	—	69	—	—	—	—
5480 fab. metal products	69	—	—	69	—	—	—	—
Subtotal primary wood products	29	—	—	29	—	—	—	—
5540 primary wood prod.	29	—	—	29	—	—	—	—
<b>Total food and farm products</b>	<b>1,602</b>	<b>—</b>	<b>—</b>	<b>1,078</b>	<b>501</b>	<b>—</b>	<b>23</b>	<b>—</b>
Subtotal grain	482	—	—	—	482	—	—	—
6241 wheat	69	—	—	—	69	—	—	—
6442 rice	413	—	—	—	413	—	—	—
Subtotal oilseeds	341	—	—	323	17	—	—	—
6590 oilseeds nec	341	—	—	323	17	—	—	—
Subtotal vegetable products	11	—	—	11	—	—	—	—
6653 vegetable oils	11	—	—	11	—	—	—	—
Subtotal processed grain and animal feed	47	—	—	24	—	—	23	—
6781 hay & fodder	47	—	—	24	—	—	23	—
Subtotal other agricultural products	721	—	—	720	1	—	—	—
6838 tallow, animal oils	1	—	—	—	1	—	—	—
6861 sugar	478	—	—	478	—	—	—	—
6865 molasses	219	—	—	219	—	—	—	—
6889 food products nec	23	—	—	23	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>105</b>	<b>—</b>	<b>—</b>	<b>103</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
7110 machinery (not elec)	6	—	—	6	—	—	—	—
7120 electrical machinery	4	—	—	4	0	—	—	—
7210 vehicles & parts	94	—	—	93	0	—	—	—
7220 aircraft & parts	0	—	—	0	—	—	—	—
7230 ships & boats	0	—	—	0	—	—	—	—
7400 manufac. wood prod.	1	—	—	1	—	—	—	—
7500 textile products	0	—	—	—	0	—	—	—
7600 rubber & plastic pr.	1	—	—	—	1	—	—	—
7900 manufac. prod. nec	0	—	—	—	0	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	2	—	—	2	—	—	—	—
<b>Ton-miles (x1000) Foreign &amp; Canadian</b>	<b>112,702</b>	<b>6,857</b>	<b>1,218</b>	<b>72,657</b>	<b>25,872</b>	<b>1,079</b>	<b>4,903</b>	<b>117</b>

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
<b>Total, all commodities</b>	<b>9,084</b>	<b>257</b>	<b>891</b>	<b>6,384</b>	<b>1,553</b>
<b>Total petroleum and petroleum products</b>	<b>8,683</b>	<b>244</b>	<b>891</b>	<b>6,111</b>	<b>1,437</b>
Subtotal crude petroleum	5,279	18	—	5,261	—
2100 crude petroleum	5,279	18	—	5,261	—
Subtotal petroleum products	3,404	226	891	850	1,437
2211 gasoline	1,821	216	551	401	653
2221 kerosene	25	—	15	10	—
2330 distillate fuel oil	920	—	118	346	455
2340 residual fuel oil	459	10	177	49	223
2350 lube oil & greases	100	—	18	8	74
2429 naphtha & solvents	57	—	12	14	32
2430 asphalt, tar & pitch	16	—	—	16	—
2990 petro. products nec	6	—	—	6	—
<b>Total chemicals and related products</b>	<b>233</b>	<b>13</b>	<b>—</b>	<b>104</b>	<b>116</b>
Subtotal fertilizers	2	—	—	2	—
3110 nitrogenous fert.	2	—	—	2	—
Subtotal other chemicals and related products	231	13	—	103	116
3212 benzene & toluene	13	—	—	—	—
3220 alcohols	138	—	—	23	116
3276 metallic salts	15	—	—	15	—
3297 chemical additives	65	—	—	65	—
<b>Total food and farm products</b>	<b>169</b>	<b>—</b>	<b>—</b>	<b>169</b>	<b>—</b>
Subtotal other agricultural products	169	—	—	169	—
6861 sugar	169	—	—	169	—
<b>Ton-miles (x1000) Coastwise</b>	<b>90,840</b>	<b>2,566</b>	<b>8,911</b>	<b>63,836</b>	<b>15,526</b>

SAN PABLO BAY AND MARE ISLAND STRAIT, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>2,041</b>	<b>252</b>	<b>22</b>	<b>83</b>	<b>49</b>	<b>1,056</b>	<b>580</b>
<b>Total petroleum and petroleum products</b>	<b>1,616</b>	<b>248</b>	<b>11</b>	<b>83</b>	<b>49</b>	<b>959</b>	<b>267</b>
<b>Subtotal crude petroleum</b>	<b>953</b>	<b>248</b>	—	—	—	<b>706</b>	—
2100 crude petroleum	953	248	—	—	—	706	—
<b>Subtotal petroleum products</b>	<b>663</b>	—	<b>11</b>	<b>83</b>	<b>49</b>	<b>254</b>	<b>267</b>
2211 gasoline	61	—	—	—	—	8	53
2330 distillate fuel oil	117	—	5	17	—	16	80
2340 residual fuel oil	402	—	6	66	44	156	130
2350 lube oil & greases	83	—	—	—	5	74	4
<b>Total chemicals and related products</b>	<b>23</b>	<b>4</b>	<b>11</b>	—	—	<b>8</b>	—
<b>Subtotal other chemicals and related products</b>	<b>23</b>	<b>4</b>	<b>11</b>	—	—	<b>8</b>	—
3212 benzene & toluene	4	4	—	—	—	—	—
3220 alcohols	11	—	11	—	—	—	—
3297 chemical additives	8	—	—	—	—	8	—
<b>Total crude materials, inedible except fuels</b>	<b>295</b>	—	—	—	—	<b>41</b>	<b>254</b>
<b>Subtotal forest products, wood and chips</b>	<b>1</b>	—	—	—	—	<b>1</b>	—
4150 fuel wood	1	—	—	—	—	1	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>267</b>	—	—	—	—	<b>13</b>	<b>254</b>
4331 sand & gravel	267	—	—	—	—	13	254
<b>Subtotal marine shells</b>	<b>28</b>	—	—	—	—	<b>28</b>	—
4515 marine shells	28	—	—	—	—	28	—
<b>Total primary manufactured goods</b>	<b>59</b>	—	—	—	—	—	<b>59</b>
<b>Subtotal lime, cement and glass</b>	<b>59</b>	—	—	—	—	—	<b>59</b>
5290 misc. mineral prod.	59	—	—	—	—	—	59
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	—	—	—	—	—	<b>0</b>
5480 fab. metal products	0	—	—	—	—	—	0
<b>Total food and farm products</b>	<b>48</b>	—	—	—	—	<b>48</b>	—
<b>Subtotal other agricultural products</b>	<b>48</b>	—	—	—	—	<b>48</b>	—
6865 molasses	48	—	—	—	—	48	—
<b>Total all manufactured equipment, machinery and products</b>	<b>0</b>	—	—	—	—	<b>0</b>	—
7110 machinery (not elec)	0	—	—	—	—	0	—
<b>Ton-miles (x1000)</b>	<b>17,320</b>	<b>2,520</b>	<b>0</b>	<b>0</b>	<b>491</b>	<b>10,525</b>	<b>3,784</b>
Internal							
Tons All Traffic (x1000)	22,396						
Ton-miles All Traffic (x1000)	220,862						

\*Includes 13 (x1000) tons of foreign inbound in-transits; Includes 118 (x1000) tons of foreign upbound through in-transits;  
Includes 0 (x1000) tons of foreign downbound through in-transits.

CARQUINEZ STRAIT, CA

Section Included: All of Carquinez Strait from Davis Point on the westerly end to the Benicia-Martinez Bridge at Suisun Point on the easterly end, a distance of about 8 miles. Controlling Depth: 33 feet. Project Depth: 45 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	27,656	1995	26,931	1998	19,539	2001	20,203
1993	26,046	1996	24,841	1999	17,388		
1994	26,118	1997	20,421	2000	18,435		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound*	Through		Inbound	Through	
				Upbound*	Downbnd		Upbound	Downbnd
<b>Total, all commodities</b>	<b>10,355</b>	<b>4,255</b>	<b>918</b>	<b>3,010</b>	<b>1,669</b>	<b>314</b>	<b>176</b>	<b>12</b>
<b>Total coal</b>	<b>22</b>	<b>—</b>	<b>—</b>	<b>7</b>	<b>15</b>	<b>—</b>	<b>—</b>	<b>—</b>
1200 coal coke	22	—	—	7	15	—	—	—
<b>Total petroleum and petroleum products</b>	<b>4,776</b>	<b>2,951</b>	<b>784</b>	<b>152</b>	<b>732</b>	<b>158</b>	<b>—</b>	<b>—</b>
<b>Subtotal crude petroleum</b>	<b>2,623</b>	<b>2,368</b>	<b>47</b>	<b>53</b>	<b>—</b>	<b>154</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	2,623	2,368	47	53	—	154	—	—
<b>Subtotal petroleum products</b>	<b>2,153</b>	<b>583</b>	<b>736</b>	<b>98</b>	<b>732</b>	<b>4</b>	<b>—</b>	<b>—</b>
2211 gasoline	191	172	19	—	—	—	—	—
2221 kerosene	197	155	—	41	—	—	—	—
2330 distillate fuel oil	166	67	98	—	—	—	—	—
2340 residual fuel oil	552	—	376	57	115	4	—	—
2350 lube oil & greases	1	—	1	—	—	—	—	—
2429 naphtha & solvents	189	189	—	—	—	—	—	—
2540 petroleum coke	858	—	242	—	617	—	—	—
<b>Total chemicals and related products</b>	<b>1,810</b>	<b>687</b>	<b>119</b>	<b>683</b>	<b>—</b>	<b>156</b>	<b>153</b>	<b>12</b>
<b>Subtotal fertilizers</b>	<b>429</b>	<b>—</b>	<b>—</b>	<b>399</b>	<b>—</b>	<b>—</b>	<b>30</b>	<b>—</b>
3110 nitrogenous fert.	392	—	—	362	—	—	30	—
3130 potassic fert.	4	—	—	4	—	—	—	—
3190 fert. & mixes nec	32	—	—	32	—	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>1,382</b>	<b>687</b>	<b>119</b>	<b>284</b>	<b>—</b>	<b>156</b>	<b>123</b>	<b>12</b>
3212 benzene & toluene	7	7	—	—	—	—	—	—
3220 alcohols	56	56	—	—	—	—	—	—
3230 carboxylic acids	1	—	—	1	—	—	—	—
3260 organic comp. nec	788	621	—	10	—	156	—	—
3273 ammonia	348	—	—	253	—	—	95	—
3274 sodium hydroxide	51	3	—	19	—	—	28	—
3275 inorg. elem., oxides, & halogen salts	120	—	119	0	—	—	—	—
3299 chem. products nec	12	—	—	1	—	—	—	12
<b>Total crude materials, inedible except fuels</b>	<b>751</b>	<b>21</b>	<b>—</b>	<b>295</b>	<b>435</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>208</b>	<b>2</b>	<b>—</b>	<b>46</b>	<b>160</b>	<b>—</b>	<b>—</b>	<b>—</b>
4161 wood chips	160	—	—	—	160	—	—	—
4170 wood in the rough	26	0	—	26	—	—	—	—
4189 lumber	22	2	—	20	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	1	—	—	1	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>230</b>	<b>0</b>	<b>—</b>	<b>230</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4323 gypsum	228	—	—	228	—	—	—	—
4331 sand & gravel	2	0	—	2	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>39</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>39</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	39	—	—	—	39	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>267</b>	<b>19</b>	<b>—</b>	<b>12</b>	<b>236</b>	<b>—</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	267	19	—	12	236	—	—	—
<b>Subtotal slag</b>	<b>7</b>	<b>—</b>	<b>—</b>	<b>7</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4860 slag	7	—	—	7	—	—	—	—
<b>Total primary manufactured goods</b>	<b>1,286</b>	<b>2</b>	<b>—</b>	<b>1,284</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal lime, cement and glass</b>	<b>805</b>	<b>—</b>	<b>—</b>	<b>805</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5220 cement & concrete	805	—	—	805	—	—	—	—
5240 glass & glass prod.	0	—	—	0	—	—	—	—
5290 misc. mineral prod.	0	—	—	0	—	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>383</b>	<b>—</b>	<b>—</b>	<b>383</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5330 i&s plates & sheets	374	—	—	374	—	—	—	—
5360 i&s bars & shapes	2	—	—	2	—	—	—	—
5370 i&s pipe & tube	7	—	—	7	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>69</b>	<b>—</b>	<b>—</b>	<b>69</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	69	—	—	69	—	—	—	—

CARQUINEZ STRAIT, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound*	Through		Inbound	Through	
				Upbound*	Downbnd		Upbound	Downbnd
<b>Subtotal primary wood products</b>	<b>29</b>	<b>2</b>	<b>—</b>	<b>27</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	29	2	—	27	—	—	—	—
<b>Total food and farm products</b>	<b>1,602</b>	<b>501</b>	<b>15</b>	<b>578</b>	<b>486</b>	<b>—</b>	<b>23</b>	<b>—</b>
<b>Subtotal grain</b>	<b>482</b>	<b>—</b>	<b>13</b>	<b>—</b>	<b>469</b>	<b>—</b>	<b>—</b>	<b>—</b>
6241 wheat	69	—	—	—	69	—	—	—
6442 rice	413	—	13	—	399	—	—	—
<b>Subtotal oilseeds</b>	<b>341</b>	<b>—</b>	<b>—</b>	<b>323</b>	<b>17</b>	<b>—</b>	<b>—</b>	<b>—</b>
6590 oilseeds nec	341	—	—	323	17	—	—	—
<b>Subtotal vegetable products</b>	<b>11</b>	<b>—</b>	<b>—</b>	<b>11</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6653 vegetable oils	11	—	—	11	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>47</b>	<b>—</b>	<b>—</b>	<b>24</b>	<b>—</b>	<b>—</b>	<b>23</b>	<b>—</b>
6781 hay & fodder	47	—	—	24	—	—	23	—
<b>Subtotal other agricultural products</b>	<b>721</b>	<b>501</b>	<b>1</b>	<b>219</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6838 tallow, animal oils	1	—	1	—	—	—	—	—
6861 sugar	478	478	—	—	—	—	—	—
6865 molasses	219	—	—	219	—	—	—	—
6889 food products nec	23	23	—	—	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>105</b>	<b>93</b>	<b>0</b>	<b>10</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>
7110 machinery (not elec)	6	—	—	6	—	—	—	—
7120 electrical machinery	4	—	—	4	0	—	—	—
7210 vehicles & parts	94	93	0	0	—	—	—	—
7220 aircraft & parts	0	—	—	0	—	—	—	—
7230 ships & boats	0	—	—	0	—	—	—	—
7400 manufac. wood prod.	1	—	—	1	—	—	—	—
7500 textile products	0	—	—	—	0	—	—	—
7600 rubber & plastic pr.	1	—	—	—	1	—	—	—
7900 manufac. prod. nec	0	—	—	—	0	—	—	—
<b>Total unknown or not elsewhere classified</b>	<b>2</b>	<b>0</b>	<b>—</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	2	0	—	2	—	—	—	—
<b>Ton-miles (x1000) Foreign &amp; Canadian</b>	<b>72,483</b>	<b>29,787</b>	<b>6,425</b>	<b>21,073</b>	<b>11,685</b>	<b>2,198</b>	<b>1,233</b>	<b>82</b>

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
<b>Total, all commodities</b>	<b>7,936</b>	<b>6,156</b>	<b>1,162</b>	<b>228</b>	<b>391</b>
<b>Total petroleum and petroleum products</b>	<b>7,548</b>	<b>5,900</b>	<b>1,046</b>	<b>211</b>	<b>391</b>
<b>Subtotal crude petroleum</b>	<b>5,261</b>	<b>5,106</b>	<b>—</b>	<b>155</b>	<b>—</b>
2100 crude petroleum	5,261	5,106	—	155	—
<b>Subtotal petroleum products</b>	<b>2,287</b>	<b>794</b>	<b>1,046</b>	<b>56</b>	<b>391</b>
2211 gasoline	1,054	365	536	36	117
2221 kerosene	10	10	—	—	—
2330 distillate fuel oil	802	326	340	21	115
2340 residual fuel oil	272	49	136	—	87
2350 lube oil & greases	82	8	2	—	71
2429 naphtha & solvents	45	14	32	—	—
2430 asphalt, tar & pitch	16	16	—	—	—
2990 petro. products nec	6	6	—	—	—
<b>Total chemicals and related products</b>	<b>220</b>	<b>87</b>	<b>116</b>	<b>17</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>—</b>
3110 nitrogenous fert.	2	—	—	2	—
<b>Subtotal other chemicals and related products</b>	<b>218</b>	<b>87</b>	<b>116</b>	<b>15</b>	<b>—</b>
3220 alcohols	138	23	116	—	—
3276 metallic salts	15	—	—	15	—
3297 chemical additives	65	65	—	—	—
<b>Total food and farm products</b>	<b>169</b>	<b>169</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Subtotal other agricultural products</b>	<b>169</b>	<b>169</b>	<b>—</b>	<b>—</b>	<b>—</b>
6861 sugar	169	169	—	—	—
<b>Ton-miles (x1000) Coastwise</b>	<b>49,240</b>	<b>40,106</b>	<b>4,802</b>	<b>1,595</b>	<b>2,737</b>

CARQUINEZ STRAIT, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>1,912</b>	<b>722</b>	<b>24</b>	<b>55</b>	<b>207</b>	<b>407</b>	<b>446</b>	<b>34</b>	<b>17</b>
<b>Total petroleum and petroleum products</b>	<b>1,435</b>	<b>722</b>	<b>24</b>	<b>49</b>	<b>196</b>	<b>320</b>	<b>82</b>	<b>26</b>	<b>17</b>
Subtotal crude petroleum	706	543	---	---	---	163	---	---	---
2100 crude petroleum	706	543	---	---	---	163	---	---	---
Subtotal petroleum products	730	179	24	49	196	157	82	26	17
2211 gasoline	117	8	19	20	53	---	---	---	17
2330 distillate fuel oil	121	23	4	---	66	9	19	---	---
2340 residual fuel oil	403	74	---	29	73	148	63	15	---
2350 lube oil & greases	78	74	---	---	4	---	---	---	---
2429 naphtha & solvents	10	---	---	---	---	---	---	10	---
<b>Total chemicals and related products</b>	<b>32</b>	<b>---</b>	<b>---</b>	<b>5</b>	<b>11</b>	<b>8</b>	<b>---</b>	<b>9</b>	<b>---</b>
Subtotal other chemicals and related products	32	---	---	5	11	8	---	9	---
3220 alcohols	11	---	---	---	11	---	---	---	---
3297 chemical additives	13	---	---	5	---	8	---	---	---
3299 chem. products nec	9	---	---	---	---	---	---	9	---
<b>Total crude materials, inedible except fuels</b>	<b>396</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>32</b>	<b>364</b>	<b>---</b>	<b>---</b>
Subtotal forest products, wood and chips	1	---	---	---	---	1	---	---	---
4150 fuel wood	1	---	---	---	---	1	---	---	---
Subtotal soil, sand, gravel, rock and stone	377	---	---	---	---	13	364	---	---
4331 sand & gravel	377	---	---	---	---	13	364	---	---
Subtotal marine shells	18	---	---	---	---	18	---	---	---
4515 marine shells	18	---	---	---	---	18	---	---	---
<b>Total food and farm products</b>	<b>48</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>48</b>	<b>---</b>	<b>---</b>	<b>---</b>
Subtotal other agricultural products	48	---	---	---	---	48	---	---	---
6865 molasses	48	---	---	---	---	48	---	---	---
<b>Ton-miles Internal (x1000)</b>	<b>12,101</b>	<b>4,273</b>	<b>142</b>	<b>225</b>	<b>1,257</b>	<b>2,852</b>	<b>3,121</b>	<b>129</b>	<b>102</b>

Tons All Traffic (x1000) 20,203  
Ton-miles All Traffic (x1000) 133,824

\*Includes 38 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits;  
Includes 80 (x1000) tons of foreign upbound through in-transits.

SUISUN BAY CHANNEL, CA

Section Included: Suisun Bay Channel from Suisun Point at west end of Benicia-Martinez Bridge to East Reach of Middleground Island thence to mouth of New York Slough. Controlling Depth: 35.0 feet from Suisun Point to Avon Wharf; 35.0 feet to Preston Point; 35.0 feet to Middle Point; 35.0 feet through East Reach Middleground Island, 38.0 feet to mouth of New York Slough, 35.0 feet thru New York Slough. Project Depth: 35 feet from Benicia-Martinez Bridge to Avon Pier, 30 feet for remainder of channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	6,340	1995	7,012	1998	6,644	2001	6,419
1993	7,133	1996	7,407	1999	5,728		
1994	7,556	1997	6,752	2000	6,515		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Inbound	Outbound	Through		Through	
				Upbound*	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>4,868</b>	<b>163</b>	<b>115</b>	<b>2,847</b>	<b>1,554</b>	<b>176</b>	<b>12</b>
<b>Total coal</b>	<b>22</b>	—	—	<b>7</b>	<b>15</b>	—	—
1200 coal coke	22	—	—	7	15	—	—
<b>Total petroleum and petroleum products</b>	<b>883</b>	<b>152</b>	<b>115</b>	—	<b>617</b>	—	—
<b>Subtotal crude petroleum</b>	<b>53</b>	<b>53</b>	—	—	—	—	—
2100 crude petroleum	53	53	—	—	—	—	—
<b>Subtotal petroleum products</b>	<b>830</b>	<b>98</b>	<b>115</b>	—	<b>617</b>	—	—
2221 kerosene	41	41	—	—	—	—	—
2340 residual fuel oil	172	57	115	—	—	—	—
2540 petroleum coke	617	—	—	—	617	—	—
<b>Total chemicals and related products</b>	<b>848</b>	—	—	<b>683</b>	—	<b>153</b>	<b>12</b>
<b>Subtotal fertilizers</b>	<b>429</b>	—	—	<b>399</b>	—	<b>30</b>	—
3110 nitrogenous fert.	392	—	—	362	—	30	—
3130 potassic fert.	4	—	—	4	—	—	—
3190 fert. & mixes nec	32	—	—	32	—	—	—
<b>Subtotal other chemicals and related products</b>	<b>419</b>	—	—	<b>284</b>	—	<b>123</b>	<b>12</b>
3230 carboxylic acids	1	—	—	1	—	—	—
3260 organic comp. nec	10	—	—	10	—	—	—
3273 ammonia	348	—	—	253	—	95	—
3274 sodium hydroxide	48	—	—	19	—	28	—
3275 inorg. elem., oxides, & halogen salts	0	—	—	0	—	—	—
3299 chem. products nec	12	—	—	1	—	—	12
<b>Total crude materials, inedible except fuels</b>	<b>731</b>	<b>12</b>	—	<b>284</b>	<b>435</b>	—	—
<b>Subtotal forest products, wood and chips</b>	<b>206</b>	—	—	<b>46</b>	<b>160</b>	—	—
4161 wood chips	160	—	—	—	160	—	—
4170 wood in the rough	26	—	—	26	—	—	—
4189 lumber	20	—	—	20	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>1</b>	—	—	<b>1</b>	—	—	—
4225 pulp & waste paper	1	—	—	1	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>230</b>	—	—	<b>230</b>	—	—	—
4323 gypsum	228	—	—	228	—	—	—
4331 sand & gravel	2	—	—	2	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>39</b>	—	—	—	<b>39</b>	—	—
4420 iron & steel scrap	39	—	—	—	39	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>248</b>	<b>12</b>	—	—	<b>236</b>	—	—
4741 sulphur, (dry)	248	12	—	—	236	—	—
<b>Subtotal slag</b>	<b>7</b>	—	—	<b>7</b>	—	—	—
4860 slag	7	—	—	7	—	—	—
<b>Total primary manufactured goods</b>	<b>1,284</b>	—	—	<b>1,284</b>	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>805</b>	—	—	<b>805</b>	—	—	—
5220 cement & concrete	805	—	—	805	—	—	—
5240 glass & glass prod.	0	—	—	0	—	—	—
5290 misc. mineral prod.	0	—	—	0	—	—	—
<b>Subtotal primary iron and steel products</b>	<b>383</b>	—	—	<b>383</b>	—	—	—
5330 i&s plates & sheets	374	—	—	374	—	—	—
5360 i&s bars & shapes	2	—	—	2	—	—	—
5370 i&s pipe & tube	7	—	—	7	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>69</b>	—	—	<b>69</b>	—	—	—
5480 fab. metal products	69	—	—	69	—	—	—
<b>Subtotal primary wood products</b>	<b>27</b>	—	—	<b>27</b>	—	—	—
5540 primary wood prod.	27	—	—	27	—	—	—
<b>Total food and farm products</b>	<b>1,087</b>	—	—	<b>578</b>	<b>486</b>	<b>23</b>	—
<b>Subtotal grain</b>	<b>469</b>	—	—	—	<b>469</b>	—	—
6241 wheat	69	—	—	—	69	—	—
6442 rice	399	—	—	—	399	—	—
<b>Subtotal oilseeds</b>	<b>341</b>	—	—	<b>323</b>	<b>17</b>	—	—
6590 oilseeds nec	341	—	—	323	17	—	—
<b>Subtotal vegetable products</b>	<b>11</b>	—	—	<b>11</b>	—	—	—
6653 vegetable oils	11	—	—	11	—	—	—

SUISUN BAY CHANNEL, CA  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Inbound	Outbound	Through		Through	
				Upbound*	Downbnd	Upbound	Downbnd
<b>Subtotal processed grain and animal feed</b>	<b>47</b>	---	---	<b>24</b>	---	<b>23</b>	---
6781 hay & fodder	47	---	---	24	---	23	---
<b>Subtotal other agricultural products</b>	<b>219</b>	---	---	<b>219</b>	---	---	---
6865 molasses	219	---	---	219	---	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>11</b>	---	---	<b>10</b>	<b>1</b>	---	---
7110 machinery (not elec)	6	---	---	6	---	---	---
7120 electrical machinery	4	---	---	4	0	---	---
7210 vehicles & parts	0	---	---	0	---	---	---
7220 aircraft & parts	0	---	---	0	---	---	---
7230 ships & boats	0	---	---	0	---	---	---
7400 manufac. wood prod.	1	---	---	1	---	---	---
7500 textile products	0	---	---	---	0	---	---
7600 rubber & plastic pr.	1	---	---	---	1	---	---
7900 manufac. prod. nec	0	---	---	---	0	---	---
<b>Total unknown or not elsewhere classified</b>	<b>2</b>	---	---	<b>2</b>	---	---	---
9900 unknown or nec	2	---	---	2	---	---	---
<b>Ton-miles (x1000) Foreign &amp; Canadian</b>	<b>69,394</b>	<b>326</b>	<b>231</b>	<b>42,709</b>	<b>23,311</b>	<b>2,643</b>	<b>175</b>

Commodity	Total	Domestic						
		Coastwise			Internal			
		Receipts	Shipments	Through Upbound	Inbound Upbound	Outbound Upbound	Downbnd	Through Upbound
<b>Total, all commodities</b>	<b>1,551</b>	<b>211</b>	<b>391</b>	<b>17</b>	<b>382</b>	<b>1</b>	<b>470</b>	<b>80</b>
<b>Total petroleum and petroleum products</b>	<b>1,077</b>	<b>211</b>	<b>391</b>	---	<b>369</b>	---	<b>105</b>	---
<b>Subtotal crude petroleum</b>	<b>317</b>	<b>155</b>	---	---	<b>163</b>	---	---	---
2100 crude petroleum	317	155	---	---	163	---	---	---
<b>Subtotal petroleum products</b>	<b>759</b>	<b>56</b>	<b>391</b>	---	<b>207</b>	---	<b>105</b>	---
2211 gasoline	192	36	117	---	20	---	19	---
2330 distillate fuel oil	168	21	115	---	9	---	23	---
2340 residual fuel oil	328	---	87	---	177	---	63	---
2350 lube oil & greases	71	---	71	---	---	---	---	---
<b>Total chemicals and related products</b>	<b>30</b>	---	---	<b>17</b>	<b>13</b>	---	---	---
<b>Subtotal fertilizers</b>	<b>2</b>	---	---	<b>2</b>	---	---	---	---
3110 nitrogenous fert.	2	---	---	2	---	---	---	---
<b>Subtotal other chemicals and related products</b>	<b>28</b>	---	---	<b>15</b>	<b>13</b>	---	---	---
3276 metallic salts	15	---	---	15	---	---	---	---
3297 chemical additives	13	---	---	---	13	---	---	---
<b>Total crude materials, inedible except fuels</b>	<b>396</b>	---	---	---	---	<b>1</b>	<b>364</b>	<b>32</b>
<b>Subtotal forest products, wood and chips</b>	<b>1</b>	---	---	---	---	---	---	<b>1</b>
4150 fuel wood	1	---	---	---	---	---	---	1
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>377</b>	---	---	---	---	<b>1</b>	<b>364</b>	<b>13</b>
4331 sand & gravel	377	---	---	---	---	1	364	13
<b>Subtotal marine shells</b>	<b>18</b>	---	---	---	---	---	---	<b>18</b>
4515 marine shells	18	---	---	---	---	---	---	18
<b>Total food and farm products</b>	<b>48</b>	---	---	---	---	---	---	<b>48</b>
<b>Subtotal other agricultural products</b>	<b>48</b>	---	---	---	---	---	---	<b>48</b>
6865 molasses	48	---	---	---	---	---	---	48
<b>Ton-miles (x1000) Domestic</b>	<b>6,053</b>	<b>254</b>	<b>747</b>	<b>253</b>	<b>497</b>	<b>4</b>	<b>3,102</b>	<b>1,196</b>
<b>Tons All Traffic (x1000)</b>	<b>6,419</b>							
<b>Ton-miles All Traffic (x1000)</b>	<b>75,448</b>							

\*Includes 80 (x1000) tons of foreign upbound through in-transits.



PETALUMA RIVER, CA

Section Included: From across the flats in San Pablo Bay to the mouth of the Petaluma River a distance of 5.3 miles with a controlling depth of 7.0 feet. from the mouth of the river to Western Ave. a distance of 13 miles with a controlling depth of 8.0 feet and 270 feet above Western Ave. A controlling depth of 4.0 feet. Project Depth is 8.0 feet, except for 200 feet above Western Ave. which is 4.0 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	315	1995	196	1998	280	2001	322
1993	208	1996	208	1999	326		
1994	232	1997	216	2000	325		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Outbound
		Upbound	Downbnd
<b>Total, all commodities</b>	<b>322</b>	<b>263</b>	<b>59</b>
<b>Total crude materials, inedible except fuels</b>	<b>263</b>	<b>263</b>	<b>—</b>
Subtotal soil, sand, gravel, rock and stone	254	254	—
4331 sand & gravel	254	254	—
Subtotal marine shells	9	9	—
4515 marine shells	9	9	—
<b>Total primary manufactured goods</b>	<b>59</b>	<b>—</b>	<b>59</b>
Subtotal lime, cement and glass	59	—	59
5290 misc. mineral prod.	59	—	59
<b>Ton-miles (x1000)</b>	<b>3,137</b>	<b>2,491</b>	<b>647</b>
<b>Tons All Traffic (x1000)</b>	<b>322</b>		
<b>Ton-miles All Traffic (x1000)</b>	<b>3,137</b>		

HUMBOLDT HARBOR AND BAY, CA

Section Included: Entrance channel to bay and channels in bay between Arcata Wharf on the north and Fields Landing on the south. Controlling Depth: Bar entrance channel, 45.1 feet; channel between the jetties, 35.0 feet; channel at intersection of Fields Landing and North Bay Channel, 27.5 feet, North Bay Channel, 34.8 feet to Standard Oil Wharf at Bucksport, 34.5 feet for remainder of channel; Samoa Channel, 34.6 feet; 30.0 feet in Samoa Turning Basin; Eureka Channel, 29.3 feet to angle in channel, 11.5 feet to "D" Street, 8.9 feet to head of project; Fields Landing Channel, 26.3 feet to Buhne Point, 29.6 feet at Buhne Point; 28.0 feet to turning basin, 28.5 feet in turning basin, 19.6 feet in southeast corner of turning basin. Project Depth: Entrance channel, 40 feet; North Bay, Samoa, and lower portion of Eureka Channel 30 feet, upper portion of Eureka Channel and Fields Landing Channel, 26 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	1,311	1995	1,220	1998	1,072	<b>2001</b>	<b>950</b>
1993	994	1996	1,197	1999	1,302		
1994	1,407	1997	1,175	2000	1,063		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound	Outbound	Inbound	Total	Coastwise	
					Receipts	Shipments	
Total, all commodities	950	7	281	64	598	552	46
Total petroleum and petroleum products	283	—	—	—	283	283	—
Subtotal petroleum products	283	—	—	—	283	283	—
2211 gasoline	283	—	—	—	283	283	—
Total chemicals and related products	4	—	—	—	4	4	—
Subtotal other chemicals and related products	4	—	—	—	4	4	—
3274 sodium hydroxide	4	—	—	—	4	4	—
Total crude materials, inedible except fuels	654	7	272	64	310	265	46
Subtotal forest products, wood and chips	495	7	114	64	310	265	46
4150 fuel wood	5	—	—	5	—	—	—
4161 wood chips	270	—	114	—	156	110	46
4170 wood in the rough	213	—	—	59	154	154	—
4189 lumber	7	7	—	—	—	—	—
Subtotal pulp and waste paper	158	—	158	—	—	—	—
4225 pulp & waste paper	158	—	158	—	—	—	—
Total primary manufactured goods	7	—	7	—	—	—	—
Subtotal paper products	7	—	7	—	—	—	—
5120 paper & paperboard	7	—	7	—	—	—	—
Total food and farm products	2	—	2	—	—	—	—
Subtotal other agricultural products	2	—	2	—	—	—	—
6889 food products nec	2	—	2	—	—	—	—
Total all manufactured equipment, machinery and products	0	—	—	0	—	—	—
7110 machinery (not elec)	0	—	—	0	—	—	—
7900 manufac. prod. nec	0	—	—	0	—	—	—

## Other Harbors and Waterways 2001

Harbor or Waterway Project	Commodity	Thousand Short Tons
BERKELEY, CA	No Commerce Reported	
BODEGA BAY, CA	No Commerce Reported	
CRESCENT CITY HARBOR, CA	No Commerce Reported	
MONTEREY HARBOR, CA	No Commerce Reported	
MOSS LANDING HARBOR, CA	No Commerce Reported	
NAPA RIVER, CA	4331 sand & gravel	110
	<b>Total Tons(x1000)</b>	<b>110</b>
	<b>Total Ton-miles(x1000)</b>	<b>1,103</b>
NOYO RIVER, CA	No Commerce Reported	
PILLAR POINT HARBOR, CA	No Commerce Reported	
SAN RAFAEL CREEK, CA	No Commerce Reported	
SANTA CRUZ HARBOR, CA	No Commerce Reported	
SUISUN CHANNEL, CA	No Commerce Reported	
Non-project		
OTHER SAN FRANCISCO BAY AREA PORTS, CA (NET)	2100 crude petroleum	2,165
	2211 gasoline	18
	2340 residual fuel oil	190
	4150 fuel wood	1
	4331 sand & gravel	9
	4515 marine shells	28
	5480 fab. metal products	0
	7110 machinery (not elec)	0
	<b>Total Tons(x1000)</b>	<b>2,411</b>

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SAN FRANCISCO BAY ENTRANCE, CA**

Upbound

Downbound

<b>Grand Total</b>	<b>3,806</b>	<b>2,419</b>	<b>767</b>	<b>327</b>	<b>17</b>	<b>276</b>	<b>3,708</b>	<b>2,340</b>	<b>738</b>	<b>334</b>	<b>14</b>	<b>282</b>
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**FOREIGN**

<b>Total</b>	<b>2,669</b>	<b>2,188</b>	<b>455</b>	<b>12</b>	<b>8</b>	<b>6</b>	<b>2,568</b>	<b>2,107</b>	<b>444</b>	<b>9</b>	<b>6</b>	<b>2</b>
47	1	—	1	—	—	—	—	—	—	—	—	—
45	2	1	1	—	—	—	1	—	1	—	—	—
43	13	—	13	—	—	—	1	—	1	—	—	—
42	14	5	9	—	—	—	3	2	1	—	—	—
41	17	10	7	—	—	—	6	6	—	—	—	—
40	16	9	7	—	—	—	14	12	2	—	—	—
39	46	33	13	—	—	—	44	43	1	—	—	—
38	71	49	22	—	—	—	52	48	4	—	—	—
37	75	51	24	—	—	—	55	52	3	—	—	—
36	165	118	47	—	—	—	149	138	11	—	—	—
35	136	107	29	—	—	—	141	138	3	—	—	—
34	148	132	16	—	—	—	151	133	18	—	—	—
33	205	181	24	—	—	—	266	188	76	1	1	—
32	287	259	28	—	—	—	256	238	18	—	—	—
31	197	178	19	—	—	—	166	156	10	—	—	—
30	226	199	27	—	—	—	192	160	32	—	—	—
29	161	141	20	—	—	—	137	119	18	—	—	—
28	149	125	24	—	—	—	156	110	46	—	—	—
27	148	118	30	—	—	—	150	113	37	—	—	—
26	130	100	30	—	—	—	129	76	51	—	2	—
25	114	95	16	—	—	3	133	104	29	—	—	—
24	86	75	9	—	2	—	80	64	16	—	—	—
23	52	44	7	—	—	1	67	53	14	—	—	—
22	41	31	10	—	—	—	72	49	23	—	—	—
21	38	32	5	—	1	—	35	26	7	—	1	1
20	32	25	7	—	—	—	34	27	6	—	1	—
19	23	19	4	—	—	—	21	11	9	1	—	—
18	76	51	6	12	5	2	57	41	7	7	1	1

**DOMESTIC**

<b>Total</b>	<b>1,137</b>	<b>231</b>	<b>312</b>	<b>315</b>	<b>9</b>	<b>270</b>	<b>1,140</b>	<b>233</b>	<b>294</b>	<b>325</b>	<b>8</b>	<b>280</b>
48	1	—	1	—	—	—	—	—	—	—	—	—
46	1	—	1	—	—	—	—	—	—	—	—	—
44	24	—	24	—	—	—	—	—	—	—	—	—
43	9	—	9	—	—	—	—	—	—	—	—	—
42	12	—	12	—	—	—	2	—	2	—	—	—
41	5	—	5	—	—	—	2	—	2	—	—	—
40	11	—	11	—	—	—	1	—	1	—	—	—
39	22	—	22	—	—	—	—	—	—	—	—	—
38	20	—	20	—	—	—	1	—	1	—	—	—
37	13	—	13	—	—	—	6	—	6	—	—	—
36	11	—	11	—	—	—	15	—	15	—	—	—
35	12	—	12	—	—	—	35	8	27	—	—	—
34	21	12	9	—	—	—	45	25	20	—	—	—
33	26	17	9	—	—	—	32	20	12	—	—	—
32	32	15	17	—	—	—	37	25	12	—	—	—
31	27	19	8	—	—	—	17	16	1	—	—	—
30	16	8	8	—	—	—	26	17	9	—	—	—
29	24	18	6	—	—	—	23	14	9	—	—	—
28	110	105	5	—	—	—	103	93	10	—	—	—
27	27	15	12	—	—	—	8	1	7	—	—	—
26	22	12	10	—	—	—	34	1	31	—	—	2
25	6	2	4	—	—	—	42	2	40	—	—	—
24	9	3	6	—	—	—	7	2	5	—	—	—
23	12	2	10	—	—	—	18	4	14	—	—	—
22	4	—	3	—	—	1	6	1	5	—	—	—
21	23	—	5	—	—	18	38	—	8	—	—	30
20	39	—	1	34	—	4	48	—	8	32	—	8
19	13	—	2	—	—	11	16	—	2	—	—	14
18	585	3	56	281	9	236	578	4	47	293	8	226
<b>Total trips:</b>											<b>7,514</b>	

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SAN FRANCISCO HARBOR, CA**

	Inbound						Outbound					
<b>Grand Total</b>	<b>47,737</b>	<b>47,206</b>	<b>30</b>	<b>284</b>	<b>192</b>	<b>25</b>	<b>47,867</b>	<b>47,285</b>	<b>80</b>	<b>288</b>	<b>191</b>	<b>23</b>

**FOREIGN**

<b>Total</b>	<b>218</b>	<b>185</b>	<b>30</b>	<b>2</b>	<b>1</b>	<b>—</b>	<b>328</b>	<b>245</b>	<b>80</b>	<b>2</b>	<b>1</b>	<b>—</b>
43	1	—	1	—	—	—	1	—	1	—	—	—
42	1	—	1	—	—	—	—	—	—	—	—	—
41	2	—	2	—	—	—	1	1	—	—	—	—
40	—	—	—	—	—	—	1	1	—	—	—	—
39	3	—	3	—	—	—	1	1	—	—	—	—
38	2	1	1	—	—	—	2	2	—	—	—	—
37	2	2	—	—	—	—	4	3	1	—	—	—
36	3	—	3	—	—	—	3	2	1	—	—	—
35	1	—	1	—	—	—	4	3	1	—	—	—
34	3	3	—	—	—	—	10	4	6	—	—	—
33	9	6	3	—	—	—	12	6	6	—	—	—
32	6	5	1	—	—	—	20	18	2	—	—	—
31	6	5	1	—	—	—	11	9	2	—	—	—
30	9	8	1	—	—	—	15	11	4	—	—	—
29	10	9	1	—	—	—	15	11	4	—	—	—
28	13	12	1	—	—	—	27	20	7	—	—	—
27	31	31	—	—	—	—	50	38	12	—	—	—
26	17	15	2	—	—	—	34	19	14	—	1	—
25	20	18	2	—	—	—	31	25	6	—	—	—
24	11	10	—	—	1	—	21	16	5	—	—	—
23	7	6	1	—	—	—	14	13	1	—	—	—
22	61	54	5	2	—	—	51	42	7	2	—	—

**DOMESTIC**

<b>Total</b>	<b>47,519</b>	<b>47,021</b>	<b>—</b>	<b>282</b>	<b>191</b>	<b>25</b>	<b>47,539</b>	<b>47,040</b>	<b>—</b>	<b>286</b>	<b>190</b>	<b>23</b>
24	—	—	—	—	—	—	1	1	—	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
22	47,518	47,020	—	282	191	25	47,538	47,039	—	286	190	23
<b>Total trips:</b>											<b>95,604</b>	

**REDWOOD CITY HARBOR, CA**

	Inbound						Outbound					
<b>Grand Total</b>	<b>756</b>	<b>35</b>	<b>—</b>	<b>441</b>	<b>279</b>	<b>1</b>	<b>730</b>	<b>28</b>	<b>—</b>	<b>423</b>	<b>278</b>	<b>1</b>

**FOREIGN**

<b>Total</b>	<b>31</b>	<b>21</b>	<b>—</b>	<b>5</b>	<b>5</b>	<b>—</b>	<b>22</b>	<b>14</b>	<b>—</b>	<b>4</b>	<b>4</b>	<b>—</b>
33	6	6	—	—	—	—	1	1	—	—	—	—
32	5	5	—	—	—	—	1	1	—	—	—	—
31	4	4	—	—	—	—	2	2	—	—	—	—
30	—	—	—	—	—	—	2	2	—	—	—	—
29	2	2	—	—	—	—	2	2	—	—	—	—
28	1	1	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	1	—	—	—	1	—
25	—	—	—	—	—	—	1	1	—	—	—	—
24	2	1	—	—	1	—	—	—	—	—	—	—
22	11	2	—	5	4	—	12	5	—	4	3	—

**DOMESTIC**

<b>Total</b>	<b>725</b>	<b>14</b>	<b>—</b>	<b>436</b>	<b>274</b>	<b>1</b>	<b>708</b>	<b>14</b>	<b>—</b>	<b>419</b>	<b>274</b>	<b>1</b>
22	725	14	—	436	274	1	708	14	—	419	274	1
<b>Total trips:</b>											<b>1,486</b>	

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**OAKLAND HARBOR, CA**

	Inbound						Outbound					
<b>Grand Total</b>	<b>15,817</b>	<b>12,897</b>	<b>38</b>	<b>2,496</b>	<b>362</b>	<b>24</b>	<b>15,841</b>	<b>12,817</b>	<b>145</b>	<b>2,495</b>	<b>358</b>	<b>26</b>

**FOREIGN**

<b>Total</b>	<b>1,795</b>	<b>1,751</b>	<b>38</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1,802</b>	<b>1,655</b>	<b>145</b>	<b>1</b>	<b>—</b>	<b>1</b>
45	1	1	—	—	—	—	1	—	1	—	—	—
42	5	5	—	—	—	—	3	2	1	—	—	—
41	11	10	1	—	—	—	5	5	—	—	—	—
40	9	9	—	—	—	—	12	11	1	—	—	—
39	32	31	1	—	—	—	43	42	1	—	—	—
38	49	47	2	—	—	—	47	45	2	—	—	—
37	48	48	—	—	—	—	50	48	2	—	—	—
36	119	118	1	—	—	—	137	133	4	—	—	—
35	107	107	—	—	—	—	135	135	—	—	—	—
34	122	121	1	—	—	—	127	122	5	—	—	—
33	151	150	1	—	—	—	208	176	32	—	—	—
32	235	233	2	—	—	—	218	211	7	—	—	—
31	143	143	—	—	—	—	134	131	3	—	—	—
30	174	172	2	—	—	—	141	132	9	—	—	—
29	119	118	1	—	—	—	94	88	6	—	—	—
28	101	99	2	—	—	—	101	82	19	—	—	—
27	79	72	7	—	—	—	74	65	9	—	—	—
26	71	65	6	—	—	—	60	46	14	—	—	—
25	66	61	3	—	—	2	67	59	8	—	—	—
24	50	47	3	—	—	—	37	33	4	—	—	—
23	27	27	—	—	—	—	31	29	2	—	—	—
22	76	67	5	2	2	—	77	60	15	1	—	1

**DOMESTIC**

<b>Total</b>	<b>14,022</b>	<b>11,146</b>	<b>—</b>	<b>2,494</b>	<b>360</b>	<b>22</b>	<b>14,039</b>	<b>11,162</b>	<b>—</b>	<b>2,494</b>	<b>358</b>	<b>25</b>
36	—	—	—	—	—	—	1	1	—	—	—	—
35	1	1	—	—	—	—	13	13	—	—	—	—
34	12	12	—	—	—	—	29	29	—	—	—	—
33	17	17	—	—	—	—	21	21	—	—	—	—
32	16	16	—	—	—	—	24	24	—	—	—	—
31	13	13	—	—	—	—	14	14	—	—	—	—
30	7	7	—	—	—	—	20	20	—	—	—	—
29	18	18	—	—	—	—	7	7	—	—	—	—
28	105	105	—	—	—	—	90	90	—	—	—	—
27	15	15	—	—	—	—	1	1	—	—	—	—
26	12	12	—	—	—	—	—	—	—	—	—	—
25	2	2	—	—	—	—	2	2	—	—	—	—
24	2	2	—	—	—	—	—	—	—	—	—	—
23	2	2	—	—	—	—	—	—	—	—	—	—
22	13,800	10,924	—	2,494	360	22	13,817	10,940	—	2,494	358	25
										<b>Total trips:</b>		<b>31,658</b>

**RICHMOND HARBOR, CA**

	Inbound						Outbound					
<b>Grand Total</b>	<b>4,934</b>	<b>61</b>	<b>417</b>	<b>4,175</b>	<b>69</b>	<b>212</b>	<b>4,876</b>	<b>50</b>	<b>335</b>	<b>4,202</b>	<b>70</b>	<b>219</b>

**FOREIGN**

<b>Total</b>	<b>248</b>	<b>58</b>	<b>189</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>166</b>	<b>47</b>	<b>119</b>	<b>—</b>	<b>—</b>	<b>—</b>
47	1	—	1	—	—	—	—	—	—	—	—	—
45	1	—	1	—	—	—	—	—	—	—	—	—
43	12	—	12	—	—	—	—	—	—	—	—	—
42	8	—	8	—	—	—	—	—	—	—	—	—
41	4	—	4	—	—	—	—	—	—	—	—	—
40	6	—	6	—	—	—	1	—	1	—	—	—
39	8	2	6	—	—	—	—	—	—	—	—	—
38	18	1	17	—	—	—	2	1	1	—	—	—
37	9	1	8	—	—	—	1	1	—	—	—	—
36	15	—	15	—	—	—	7	2	5	—	—	—
35	11	—	11	—	—	—	1	—	1	—	—	—
34	6	1	5	—	—	—	7	2	5	—	—	—
33	11	1	10	—	—	—	37	1	36	—	—	—
32	15	7	8	—	—	—	6	3	3	—	—	—

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**RICHMOND HARBOR, CA - continued**

Inbound

Outbound

FOREIGN

31	11	3	8	—	—	—	3	1	2	—	—	—
30	15	5	10	—	—	—	9	2	7	—	—	—
29	12	3	9	—	—	—	11	9	2	—	—	—
28	13	2	11	—	—	—	12	3	9	—	—	—
27	14	6	8	—	—	—	9	4	5	—	—	—
26	14	5	9	—	—	—	12	1	11	—	—	—
25	8	5	2	—	—	1	8	3	5	—	—	—
24	6	3	3	—	—	—	5	1	4	—	—	—
23	7	4	3	—	—	—	12	5	7	—	—	—
22	23	9	14	—	—	—	23	8	15	—	—	—

DOMESTIC

<b>Total</b>	<b>4,686</b>	<b>3</b>	<b>228</b>	<b>4,175</b>	<b>69</b>	<b>211</b>	<b>4,710</b>	<b>3</b>	<b>216</b>	<b>4,202</b>	<b>70</b>	<b>219</b>
44	18	—	18	—	—	—	—	—	—	—	—	—
43	9	—	9	—	—	—	—	—	—	—	—	—
42	14	—	14	—	—	—	3	—	3	—	—	—
41	5	—	5	—	—	—	3	—	3	—	—	—
40	8	—	8	—	—	—	1	—	1	—	—	—
39	18	—	18	—	—	—	1	—	1	—	—	—
38	18	—	18	—	—	—	5	—	5	—	—	—
37	8	—	8	—	—	—	7	—	7	—	—	—
36	8	—	8	—	—	—	13	—	13	—	—	—
35	6	—	6	—	—	—	27	—	27	—	—	—
34	6	—	6	—	—	—	16	—	16	—	—	—
33	8	—	8	—	—	—	9	—	9	—	—	—
32	11	—	11	—	—	—	24	—	24	—	—	—
31	6	—	6	—	—	—	14	—	14	—	—	—
30	11	—	11	—	—	—	18	—	18	—	—	—
29	3	—	3	—	—	—	4	—	4	—	—	—
28	4	—	4	—	—	—	3	—	3	—	—	—
27	6	—	6	—	—	—	5	—	5	—	—	—
26	6	—	6	—	—	—	13	1	11	—	—	1
25	1	—	1	—	—	—	8	1	7	—	—	—
24	3	1	2	—	—	—	1	—	1	—	—	—
23	5	2	3	—	—	—	3	1	2	—	—	—
22	4,504	—	49	4,175	69	211	4,532	—	42	4,202	70	218
<b>Total trips:</b>											<b>9,810</b>	

**SAN PABLO BAY AND MARE ISLAND STRAIT, CA**

Upbound

Downbound

<b>Grand Total</b>	<b>7,349</b>	<b>4,741</b>	<b>411</b>	<b>1,458</b>	<b>450</b>	<b>289</b>	<b>7,259</b>	<b>4,711</b>	<b>295</b>	<b>1,437</b>	<b>527</b>	<b>289</b>
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FOREIGN

<b>Total</b>	<b>377</b>	<b>173</b>	<b>198</b>	<b>3</b>	—	<b>3</b>	<b>250</b>	<b>146</b>	<b>100</b>	<b>2</b>	<b>1</b>	<b>1</b>
40	1	—	1	—	—	—	—	—	—	—	—	—
39	3	—	3	—	—	—	—	—	—	—	—	—
38	2	—	2	—	—	—	1	—	1	—	—	—
37	16	—	16	—	—	—	—	—	—	—	—	—
36	28	—	28	—	—	—	2	1	1	—	—	—
35	17	—	17	—	—	—	1	—	1	—	—	—
34	17	7	10	—	—	—	7	5	2	—	—	—
33	28	18	10	—	—	—	8	4	2	1	1	—
32	26	9	17	—	—	—	11	5	6	—	—	—
31	33	23	10	—	—	—	16	13	3	—	—	—
30	28	14	14	—	—	—	25	13	12	—	—	—
29	18	9	9	—	—	—	15	9	6	—	—	—
28	21	11	10	—	—	—	16	5	11	—	—	—
27	24	9	15	—	—	—	17	6	11	—	—	—
26	28	15	13	—	—	—	22	10	12	—	—	—
25	20	11	9	—	—	—	26	16	10	—	—	—
24	17	14	3	—	—	—	17	14	3	—	—	—
23	11	7	3	—	—	1	10	6	4	—	—	—
22	39	26	8	3	—	2	56	39	15	1	—	1

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**SAN PABLO BAY AND MARE ISLAND STRAIT, CA - continued**

Upbound

Downbound

DOMESTIC

<b>Total</b>	<b>6,972</b>	<b>4,568</b>	<b>213</b>	<b>1,455</b>	<b>450</b>	<b>286</b>	<b>7,009</b>	<b>4,565</b>	<b>195</b>	<b>1,435</b>	<b>526</b>	<b>288</b>
43	1	—	1	—	—	—	—	—	—	—	—	—
42	1	—	1	—	—	—	1	—	1	—	—	—
40	2	—	2	—	—	—	—	—	—	—	—	—
39	6	—	6	—	—	—	1	—	1	—	—	—
38	2	—	2	—	—	—	1	—	1	—	—	—
37	4	—	4	—	—	—	—	—	—	—	—	—
36	3	—	3	—	—	—	3	—	3	—	—	—
35	9	—	9	—	—	—	3	—	3	—	—	—
34	4	—	4	—	—	—	8	—	8	—	—	—
33	11	—	11	—	—	—	13	1	12	—	—	—
32	34	3	31	—	—	—	8	—	8	—	—	—
31	18	2	16	—	—	—	3	—	3	—	—	—
30	50	—	50	—	—	—	8	—	8	—	—	—
29	5	—	5	—	—	—	6	—	6	—	—	—
28	3	—	3	—	—	—	6	—	6	—	—	—
27	10	—	10	—	—	—	3	—	3	—	—	—
26	5	—	5	—	—	—	16	—	15	—	—	1
25	4	—	4	—	—	—	30	—	30	—	—	—
24	7	1	6	—	—	—	8	2	6	—	—	—
23	12	1	11	—	—	—	17	4	13	—	—	—
22	6,781	4,561	29	1,455	450	286	6,874	4,558	68	1,435	526	287
										<b>Total trips:</b>		<b>14,608</b>

**CARQUINEZ STRAIT, CA**

Upbound

Downbound

<b>Grand Total</b>	<b>2,475</b>	<b>190</b>	<b>364</b>	<b>1,419</b>	<b>254</b>	<b>248</b>	<b>2,205</b>	<b>161</b>	<b>255</b>	<b>1,303</b>	<b>247</b>	<b>239</b>
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FOREIGN

<b>Total</b>	<b>359</b>	<b>173</b>	<b>180</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>234</b>	<b>146</b>	<b>86</b>	<b>1</b>	<b>1</b>	<b>—</b>
38	2	—	2	—	—	—	—	—	—	—	—	—
37	16	—	16	—	—	—	—	—	—	—	—	—
36	26	—	26	—	—	—	2	1	1	—	—	—
35	17	—	17	—	—	—	1	—	1	—	—	—
34	17	7	10	—	—	—	5	5	—	—	—	—
33	28	18	10	—	—	—	7	4	1	1	1	—
32	24	9	15	—	—	—	10	5	5	—	—	—
31	33	23	10	—	—	—	16	13	3	—	—	—
30	28	14	14	—	—	—	25	13	12	—	—	—
29	17	9	8	—	—	—	13	9	4	—	—	—
28	19	11	8	—	—	—	16	5	11	—	—	—
27	24	9	15	—	—	—	16	6	10	—	—	—
26	25	15	10	—	—	—	21	10	11	—	—	—
25	18	11	7	—	—	—	22	16	6	—	—	—
24	16	14	2	—	—	—	17	14	3	—	—	—
23	10	7	2	—	—	1	9	6	3	—	—	—
22	39	26	8	3	—	2	54	39	15	—	—	—

DOMESTIC

<b>Total</b>	<b>2,116</b>	<b>17</b>	<b>184</b>	<b>1,416</b>	<b>254</b>	<b>245</b>	<b>1,971</b>	<b>15</b>	<b>169</b>	<b>1,302</b>	<b>246</b>	<b>239</b>
43	1	—	1	—	—	—	—	—	—	—	—	—
42	1	—	1	—	—	—	1	—	1	—	—	—
40	2	—	2	—	—	—	—	—	—	—	—	—
39	6	—	6	—	—	—	1	—	1	—	—	—
38	3	—	3	—	—	—	1	—	1	—	—	—
37	4	—	4	—	—	—	—	—	—	—	—	—
36	4	—	4	—	—	—	4	—	4	—	—	—
35	8	—	8	—	—	—	2	—	2	—	—	—
34	5	—	5	—	—	—	3	—	3	—	—	—
33	9	—	9	—	—	—	9	1	8	—	—	—
32	33	3	30	—	—	—	4	—	4	—	—	—
31	17	2	15	—	—	—	4	—	4	—	—	—
30	51	—	51	—	—	—	7	—	7	—	—	—
29	4	—	4	—	—	—	5	—	5	—	—	—
28	3	—	3	—	—	—	4	—	4	—	—	—



Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**CARQUINEZ STRAIT, CA - continued**

DOMESTIC												
Upbound							Downbound					
27	5	—	5	—	—	—	2	—	2	—	—	—
26	6	—	5	—	—	1	15	—	14	—	—	1
25	3	—	3	—	—	—	28	1	27	—	—	—
24	3	1	2	—	—	—	4	1	3	—	—	—
23	6	1	5	—	—	—	17	4	13	—	—	—
22	1,942	10	18	1,416	254	244	1,860	8	66	1,302	246	238
Total trips:											4,680	

**SUISUN BAY CHANNEL, CA**

Upbound							Downbound					
<b>Grand Total</b>	<b>1,233</b>	<b>133</b>	<b>75</b>	<b>681</b>	<b>240</b>	<b>104</b>	<b>1,193</b>	<b>117</b>	<b>44</b>	<b>689</b>	<b>246</b>	<b>97</b>

FOREIGN

<b>Total</b>	<b>180</b>	<b>122</b>	<b>58</b>	—	—	—	<b>140</b>	<b>108</b>	<b>30</b>	<b>1</b>	<b>1</b>	—
37	2	—	2	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	2	1	1	—	—	—
35	1	—	1	—	—	—	—	—	—	—	—	—
34	11	5	6	—	—	—	5	5	—	—	—	—
33	20	14	6	—	—	—	6	4	—	1	1	—
32	16	8	8	—	—	—	6	5	1	—	—	—
31	26	21	5	—	—	—	3	3	—	—	—	—
30	14	11	3	—	—	—	13	11	2	—	—	—
29	8	5	3	—	—	—	9	9	—	—	—	—
28	15	9	6	—	—	—	5	4	1	—	—	—
27	11	3	8	—	—	—	9	3	6	—	—	—
26	8	5	3	—	—	—	10	8	2	—	—	—
25	10	8	2	—	—	—	17	13	4	—	—	—
24	11	9	2	—	—	—	11	9	2	—	—	—
23	5	5	—	—	—	—	5	4	1	—	—	—
22	4	3	1	—	—	—	17	11	6	—	—	—
21	5	5	—	—	—	—	5	4	1	—	—	—
20	2	1	1	—	—	—	7	6	1	—	—	—
19	1	1	—	—	—	—	4	2	2	—	—	—
18	10	9	1	—	—	—	6	6	—	—	—	—

DOMESTIC

<b>Total</b>	<b>1,053</b>	<b>11</b>	<b>17</b>	<b>681</b>	<b>240</b>	<b>104</b>	<b>1,053</b>	<b>9</b>	<b>14</b>	<b>688</b>	<b>245</b>	<b>97</b>
39	2	—	2	—	—	—	—	—	—	—	—	—
37	1	—	1	—	—	—	—	—	—	—	—	—
34	—	—	—	—	—	—	1	—	1	—	—	—
33	—	—	—	—	—	—	2	1	1	—	—	—
32	—	—	—	—	—	—	1	—	1	—	—	—
30	7	—	7	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	1	—	1	—	—	—
27	3	—	3	—	—	—	—	—	—	—	—	—
26	2	—	1	—	—	1	1	—	1	—	—	—
23	2	1	1	—	—	—	—	—	—	—	—	—
22	1	—	1	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	2	—	—	—	—	2
20	25	—	—	21	—	4	28	—	2	19	—	7
18	1,010	10	1	660	240	99	1,017	8	7	669	245	88
											<b>Total trips:</b>	<b>2,426</b>

**PETALUMA RIVER, CA**

Upbound							Downbound					
<b>Grand Total</b>	<b>449</b>	<b>—</b>	<b>—</b>	<b>153</b>	<b>296</b>	<b>—</b>	<b>455</b>	<b>—</b>	<b>—</b>	<b>156</b>	<b>299</b>	<b>—</b>

DOMESTIC

<b>Total</b>	<b>449</b>	<b>—</b>	<b>—</b>	<b>153</b>	<b>296</b>	<b>—</b>	<b>455</b>	<b>—</b>	<b>—</b>	<b>156</b>	<b>299</b>	<b>—</b>
13	105	—	—	—	105	—	—	—	—	—	—	—
12	11	—	—	—	11	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**PETALUMA RIVER, CA - continued**

Upbound

Downbound

DOMESTIC

11	12	—	—	—	12	—	—	—	—	—	—	—
10	2	—	—	—	2	—	—	—	—	—	—	—
9	130	—	—	130	—	—	132	—	—	132	—	—
8	—	—	—	—	—	—	25	—	—	—	25	—
7	1	—	—	—	1	—	7	—	—	—	7	—
6	23	—	—	23	—	—	83	—	—	24	59	—
5	15	—	—	—	15	—	6	—	—	—	6	—
4	3	—	—	—	3	—	6	—	—	—	6	—
3	14	—	—	—	14	—	166	—	—	—	166	—
2	133	—	—	—	133	—	30	—	—	—	30	—
											<b>Total trips:</b>	<b>904</b>

**HUMBOLDT HARBOR AND BAY, CA**

Inbound

Outbound

<b>Grand Total</b>	<b>489</b>	<b>292</b>	<b>—</b>	<b>96</b>	<b>61</b>	<b>40</b>	<b>454</b>	<b>294</b>	<b>—</b>	<b>78</b>	<b>44</b>	<b>38</b>
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FOREIGN

<b>Total</b>	<b>48</b>	<b>34</b>	<b>—</b>	<b>6</b>	<b>8</b>	<b>—</b>	<b>62</b>	<b>36</b>	<b>—</b>	<b>13</b>	<b>13</b>	<b>—</b>
38	—	—	—	—	—	—	1	1	—	—	—	—
37	—	—	—	—	—	—	2	2	—	—	—	—
36	3	3	—	—	—	—	—	—	—	—	—	—
35	1	1	—	—	—	—	3	3	—	—	—	—
34	1	1	—	—	—	—	2	2	—	—	—	—
33	—	—	—	—	—	—	1	1	—	—	—	—
32	—	—	—	—	—	—	3	3	—	—	—	—
31	2	2	—	—	—	—	—	—	—	—	—	—
30	2	2	—	—	—	—	2	2	—	—	—	—
28	3	3	—	—	—	—	4	4	—	—	—	—
27	2	2	—	—	—	—	2	2	—	—	—	—
26	3	3	—	—	—	—	3	3	—	—	—	—
25	3	3	—	—	—	—	5	5	—	—	—	—
24	4	3	—	—	1	—	3	3	—	—	—	—
23	7	7	—	—	—	—	3	3	—	—	—	—
22	2	1	—	—	1	—	1	1	—	—	—	—
21	4	2	—	—	2	—	2	1	—	—	1	—
19	1	1	—	—	—	—	1	—	—	—	1	—
18	10	—	—	6	4	—	24	—	—	13	11	—

DOMESTIC

<b>Total</b>	<b>441</b>	<b>258</b>	<b>—</b>	<b>90</b>	<b>53</b>	<b>40</b>	<b>392</b>	<b>258</b>	<b>—</b>	<b>65</b>	<b>31</b>	<b>38</b>
18	441	258	—	90	53	40	392	258	—	65	31	38
											<b>Total trips:</b>	<b>943</b>

**BERKELEY, CA**

(9 feet and less)

Inbound

Outbound

<b>Grand Total</b>	<b>557</b>	<b>509</b>	<b>—</b>	<b>24</b>	<b>24</b>	<b>—</b>	<b>561</b>	<b>513</b>	<b>—</b>	<b>24</b>	<b>24</b>	<b>—</b>
											<b>Total trips:</b>	<b>1,118</b>

**BODEGA BAY, CA**

No Vessel Trips Reported

**CRESCENT CITY HARBOR, CA**

No Vessel Trips Reported

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
<b>MONTEREY HARBOR, CA</b> (6 feet and less)												
			Inbound						Outbound			
<b>Grand Total</b>	<b>9</b>	<b>9</b>	—	—	—	—	<b>9</b>	<b>9</b>	—	—	—	—
										<b>Total trips:</b>		<b>18</b>
<b>MOSS LANDING HARBOR, CA</b> No Vessel Trips Reported												
<b>NAPA RIVER, CA</b> (15 feet and less)												
			Upbound						Downbound			
<b>Grand Total</b>	<b>115</b>	<b>13</b>	—	<b>51</b>	<b>51</b>	—	<b>113</b>	<b>13</b>	—	<b>50</b>	<b>50</b>	—
										<b>Total trips:</b>		<b>228</b>
<b>NOYO RIVER, CA</b> No Vessel Trips Reported												
<b>PILLAR POINT HARBOR, CA</b> No Vessel Trips Reported												
<b>SAN RAFAEL CREEK, CA</b> No Vessel Trips Reported												
<b>SANTA CRUZ HARBOR, CA</b> (10 feet and less)												
			Inbound						Outbound			
<b>Grand Total</b>	<b>255</b>	<b>255</b>	—	—	—	—	<b>255</b>	<b>255</b>	—	—	—	—
										<b>Total trips:</b>		<b>510</b>
<b>SUISUN CHANNEL, CA</b> (6 feet and less)												
			Upbound						Downbound			
<b>Grand Total</b>	<b>2</b>	<b>2</b>	—	—	—	—	—	—	—	—	—	—
										<b>Total trips:</b>		<b>2</b>
<b>OTHER SAN FRANCISCO BAY AREA PORTS, CA</b> (49 feet and less)												
			Inbound						Outbound			
<b>Grand Total</b>	<b>28,577</b>	<b>26,206</b>	<b>70</b>	<b>1,765</b>	<b>492</b>	<b>44</b>	<b>28,573</b>	<b>26,224</b>	<b>75</b>	<b>1,767</b>	<b>465</b>	<b>42</b>
										<b>Total trips:</b>		<b>57,150</b>

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## Port Facilities by Waterway

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Waterway: **Carquinez Strait** Mile: PWD: 76  
 Name: **Benicia Industries, Wharf No. 95.**  
 Port: Carquinez Strait  
 Location: Benicia, north side of Carquinez Strait; approximately 1,500 feet below Benicia-Martinez Bridge (Interst Datum: MLLW  
 Operator: Benicia Industries, Inc.; Kinder Morgan Energy Partners LLC; and Huntway Refining Co.  
 Owner: Benicia Industries, Inc.  
 Address: Phone: 707-745-2394  
 Town: Benicia State: CA County: Solano  
 Railway Connection: Surface tracks serving terminal at rear connect with Union Pacific Railroad.  
 Purpose: Receipt of automobiles and crude oil; receipt and shipment of general cargo; shipment of bagged rice, petroleum coke and petroleum products.  
 Depth Alongside (feet): 38 | | Latitude (decimal): 38.041111  
 Total Berthing Space (feet): 2,404 | | Longitude (decimal): -122.1347  
 Remarks: Kinder Morgan Energy Partners LLC: Four concrete, coke storage silos with one interstitial bin are located at rear, total capacity 25,000 tons. □ Huntway Refining Co. of Northern California: One 24-inch crude oil pipeline extends to wharf from 5 storage tanks at rear, total capacity 300,000 barrels; and one 8-inch products pipeline extends from 2 storage tanks at rear, total capacity 48,000 barrels. Terminal occupies approximately 250 acres of paved, fenced, and partially lighted property.  
 Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82323 San Francisco District

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Waterway: **Carquinez Strait** Mile: PWD: 66  
 Name: **California and Hawaiian Sugar Co., Berths 1 through 5.**  
 Port: Carquinez Strait  
 Location: South side, Carquinez Strait, Crockett, above Carquinez Bridges (Interstate Highway Datum: MLLW 80).  
 Operator: California and Hawaiian Sugar Co.  
 Owner: California and Hawaiian Sugar Co.  
 Address: 830 Loring Avenue. Phone: 510-787-4336  
 Town: Crockett State: CA County: Contra Costa  
 Railway Connection: Tracks inside and along rear of plant buildings connect with Union Pacific Railroad.  
 Purpose: Receipt of unrefined sugar and plant supplies; occasional shipment of packaged refined sugar.  
 Depth Alongside (feet): 33 - 34 | - | - Latitude (decimal): 38.057222  
 Total Berthing Space (feet): 2,815 | | Longitude (decimal): -122.2203  
 Remarks: Wharf is occupied by a sugar refinery and warehouse buildings for storing packaged sugar. Nine steel storage tanks located in rear have total capacity for 112,000 tons of sugar.  
 Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82323 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Carquinez Strait** Mile: PWD: 78  
 Name: **California Maritime Academy Wharf.**  
 Port: Carquinez Strait  
 Location: Vallejo, north side of Carquinez Strait, below Carquinez (Interstate Highway 80) Bridges. Datum: MLLW  
 Operator: California Maritime Academy and U.S. Coast Guard.  
 Owner: State of California.  
 Address: 200 Maritime Academy Drive. Phone: 707-654-1127  
 Town: Vallejo State: CA County: Solano  
 Railway Connection: None.  
 Purpose: Mooring Maritime Academy training vessels; mooring U.S. Coast Guard vessels.  
 Depth Alongside (feet): 32 | 20 | 10 Latitude (decimal): 38.065833  
 Total Berthing Space (feet): 460 | 240 | 100, Longitude (decimal): -122.2311  
 Remarks: Training vessels 'TS Golden Bear,' 'MV Little Bear,' 'MV Black Bear', and 'MV Cub,' moor at wharf.  
 Small craft berth at various concrete floats at rear of face. U.S. Coast Guard Station Carquinez is located at rear.

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82323 San Francisco District

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Waterway: **Carquinez Strait** Mile: PWD: 77  
 Name: **City of Benecia Dock.**  
 Port: Carquinez Strait  
 Location: Benicia, north side of Carquinez Strait; Approximately 1.5 miles below Benicia-Martinez Bridge, foot of Datum: MLLW  
 Operator: City of Benicia.  
 Owner: City of Benicia.  
 Address: Phone: 707-746-4240  
 Town: Benicia State: CA County: Solano  
 Railway Connection: None.  
 Purpose: Mooring vessels.  
 Depth Alongside (feet): 8 | | Latitude (decimal): 38.042222  
 Total Berthing Space (feet): 180 | | Longitude (decimal): -122.1533  
 Remarks: At time of survey (2000) dock was used by FCI Constructors Interbeton, Inc., A Joint Venture as a mobilization site.□

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82323 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Carquinez Strait** Mile: PWD: 67  
 Name: **Defense Fuel Supply Center, Ozol Wharf.**  
 Port: Carquinez Strait  
 Location: South side, Carquinez Strait, Ozol, approximately 2.3 miles below Benicia-Martinez Datum: MLLW  
 (Interstate Highway 6)  
 Operator: Not operated.  
 Owner: U.S. Government.  
 Address: Phone: 925-250-8651  
 Town: Ozol State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Not used.  
 Depth Alongside (feet): 40 | | Latitude (decimal): 38.028611  
 Total Berthing Space (feet): 880 | | Longitude (decimal): -122.1611  
 Remarks: Two 20-inch pipelines extending from wharf to 12 underground, steel storage tanks, total capacity 1,000,000 barrels were not in use at time of survey (2000). Storage tanks also connect with interstate pipeline system operated by Kinder Morgan Energy Partners LLC.

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82323 San Francisco District

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Waterway: **Carquinez Strait** Mile: PWD: 75  
 Name: **ExxonMobil Corp., Benicia Refinery Wharf.**  
 Port: Carquinez Strait  
 Location: Benicia, north side of Carquinez Strait, below Benicia-Martinez (Interstate Highway 680) Bridge. Datum: MLLW  
 Operator: ExxonMobil Corp.  
 Owner: ExxonMobil Corp.  
 Address: 3400 East Second Street. Phone: 707-745-7568  
 Town: Benicia State: CA County: Solano  
 Railway Connection: Trackage serving refinery in rear connects with Union Pacific Railroad.  
 Purpose: Receipt and shipment of petroleum products, receipt of crude oil.  
 Depth Alongside (feet): 32 | | Latitude (decimal): 38.044722  
 Total Berthing Space (feet): 1,100 | | Longitude (decimal): -122.1292  
 Remarks: Prefabricated metal building on wharf contains technicians' shelter and 5,000 foot, floating, oil spill containment boom, and recovery equipment. Three 16-inch crude oil pipelines becoming one 36-inch pipeline, extend to 6 steel storage tanks at rear, total capacity 2,280,000 barrels; four 12-inch product pipelines extend to 15 steel storage tanks at rear, total capacity approximately 1,500,000 barrels.

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82323 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Carquinez Strait** Mile: PWD: 68

Name: **Martinez Marina Municipal Pier.**

Port: Carquinez Strait

Location: Martinez, foot of N. Court Street, approximately 1.3 miles below Benicia-Martinez Datum: MLLW  
(Interstate Highway 68)

Operator: City of Martinez.

Owner: City of Martinez.

Address: 7 North Court Street. Phone: 925-313-0942

Town: Martinez State: CA County: Contra Costa

Railway Connection: None.

Purpose: Mooring fishing boats and miscellaneous floating equipment; fueling small vessels.

Depth Alongside (feet): 20 - 25 | 5 - 20 | Latitude (decimal): 38.0275

Total Berthing Space (feet): 520 | | Longitude (decimal): -122.1394

Remarks: City of Martinez Marina, which has 423 berths, is located adjacent to and east of pier. Berths consist of plastic foam-filled floats. Oil spill and patrol cleanup vessels are moored in marina. One 20-ton, gasoline travel lift capable of handling 60- by 15-foot boats, travels on 80-foot, timber pile, steel-decked, runways at marina in rear. Metered pumps on wharf are supplied by one 10,000-gallon, diesel fuel, and one 10,000-gallon, gasoline storage tanks.

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82323 San Francisco District

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Waterway: **Carquinez Strait** Mile: PWD: 69

Name: **Martinez Refining Co., Martinez Refinery Wharf.**

Port: Carquinez Strait

Location: Martinez, approximately 0.6 mile below Benicia-Martinez (Interstate Highway 680) Datum: MLLW  
Bridge.

Operator: Martinez Refining Co.

Owner: Martinez Refining Co., A Division of Equilon Enterprises LLC.

Address: 1800 Marina Vista Drive Phone: 925-313-5204

Town: Martinez State: CA County: Contra Costa

Railway Connection: Trackage serving refinery in rear connects with Union Pacific Railroad.

Purpose: Receipt and shipment of crude oil and petroleum products.

Depth Alongside (feet): 45 - ea | | 20 - ea Latitude (decimal): 38.031389

Total Berthing Space (feet): 682\* | | 442w/ Longitude (decimal): -122.1317

Remarks: One 24-, one 14-, two 12-, two 8-, eight 6-, and one 4-inch pipelines extend from wharf to 66 steel storage tanks located at refinery in rear, total capacity 5,316,000 barrels. Wharf is also served by one 12-inch raw water line, one 10-inch line extends to one 75,000-barrel slop tank; one 3-inch steam line, and one 1 1/2-inch air line. Wharf is equipped with two 1,000 foot oil spill containment booms at each end, and concrete containment basins.

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82323 San Francisco District

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## Port Facilities by Waterway

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Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 72
Name: <b>Shore Terminals, Martinez Wharf.</b>		
Port: Carquinez Strait		
Location: South side of Suisun Bay, approximately 1.2 miles above Union Pacific Railroad bridge.	Datum: MLLW	
Operator: Shore Terminals, LLC.		
Owner: Shore Terminals, LLC.		
Address: 2801 Waterfront Road.	Phone: 925-228-3227	
Town: Martinez	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Receipt and shipment of crude oil and petroleum products.		
Depth Alongside (feet): 40		Latitude (decimal): 38.045556
Total Berthing Space (feet): 1,000		Longitude (decimal): -122.1011
<p>Remarks: Two 16-inch unloading arms can be used for crude oil, or one 16- and one 10-inch loading arms for product via manifold. Two 12-inch pipelines extend from wharf to 11 storage tanks in rear, total capacity 800,000 barrels, including two 175,000 barrel, insulated tanks convertible to crude oil. One 2-inch slop line from catch basin on wharf extends to two 10,000-barrel slop tanks. One 30-, and one 12-inch, insulated pipelines extend to wharf from 4crude oil/aviation fuel storage tanks at rear, total capacity 2,000,000 barrels. A vapor recovery system to control vessel loading emissions is installed. One 6-inch pipeline extends to Tosco Refining Co., San FranciscoArea Refinery at Avon (Ref. Nos. 73 and 74), one 20-/16-inch crude oil pipeline extends to ExxonMobil Corp., Benicia Refinery (Ref. No. 75) across the strait. Storage tanks also connect with pipelines operated by Kinder Morgan EnergyPartners LLC. An automated, 1,500 foot floating, oil spill containment boom is maintained on wharf.</p>		

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Port Series: 31      Year of Last Survey: 2000      Corps of Engrs Waterway Code: 81050      San Francisco District

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## Port Facilities by Waterway

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Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 64
Name: <b>Shore Terminals, Selby Marine Terminal, Small Craft Wharf.</b>		
Port: Carquinez Strait		
Location: South side, Carquinez Strait, Selby, 0.1 mile above Davis Point.	Datum: MLLW	
Operator: Shore Terminals LLC.		
Owner: Shore Terminals LLC.		
Address: 90 San Pablo Avenue.	Phone: 510-787-1076	
Town: Selby	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Mooring tugs and small craft.		
Depth Alongside (feet): 13 - 30	Latitude (decimal): 38.058056	
Total Berthing Space (feet): 545	Longitude (decimal): -122.245	
Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 64
Name: <b>Shore Terminals, Selby Marine Terminal, Small Craft Wharf.</b>		
Port: Carquinez Strait		
Location: South side, Carquinez Strait, Selby, 0.1 mile above Davis Point.	Datum: MLLW	
Operator: Shore Terminals LLC.		
Owner: Shore Terminals LLC.		
Address: 90 San Pablo Avenue.	Phone: 510-787-1076	
Town: Selby	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Mooring tugs and small craft.		
Depth Alongside (feet): 13 - 30	Latitude (decimal): 38.058056	
Total Berthing Space (feet): 545	Longitude (decimal): -122.245	
Remarks: -□□		
Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82323 San Francisco District

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Remarks: -□□

Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82323	San Francisco District
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## Port Facilities by Waterway

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Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 64
Name: <b>Shore Terminals, Selby Marine Terminal, Small Craft Wharf.</b>		
Port: Carquinez Strait		
Location: South side, Carquinez Strait, Selby, 0.1 mile above Davis Point.	Datum: MLLW	
Operator: Shore Terminals LLC.		
Owner: Shore Terminals LLC.		
Address: 90 San Pablo Avenue.	Phone: 510-787-1076	
Town: Selby	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Mooring tugs and small craft.		
Depth Alongside (feet): 13 - 30	Latitude (decimal): 38.058056	
Total Berthing Space (feet): 545	Longitude (decimal): -122.245	
Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 64
Name: <b>Shore Terminals, Selby Marine Terminal, Small Craft Wharf.</b>		
Port: Carquinez Strait		
Location: South side, Carquinez Strait, Selby, 0.1 mile above Davis Point.	Datum: MLLW	
Operator: Shore Terminals LLC.		
Owner: Shore Terminals LLC.		
Address: 90 San Pablo Avenue.	Phone: 510-787-1076	
Town: Selby	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Mooring tugs and small craft.		
Depth Alongside (feet): 13 - 30	Latitude (decimal): 38.058056	
Total Berthing Space (feet): 545	Longitude (decimal): -122.245	
Remarks: -□□		
Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82323 San Francisco District

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Remarks: -□□

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Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82323	San Francisco District
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## Port Facilities by Waterway

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Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 65
Name: <b>Shore Terminals, Selby Marine Terminal, Tanker Wharf.</b>		
Port: Carquinez Strait		
Location: South side, Carquinez Strait, Selby, 1.2 miles above Davis Point.	Datum: MLLW	
Operator: Shore Terminals LLC.		
Owner: Shore Terminals LLC.		
Address: 90 San Pablo Avenue.	Phone: 510-787-1076	
Town: Selby	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Receipt and shipment of petroleum products.		
Depth Alongside (feet): 40 - 45	Latitude (decimal): 38.059167	
Total Berthing Space (feet): 850	Longitude (decimal): -122.2411	
Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 65
Name: <b>Shore Terminals, Selby Marine Terminal, Tanker Wharf.</b>		
Port: Carquinez Strait		
Location: South side, Carquinez Strait, Selby, 1.2 miles above Davis Point.	Datum: MLLW	
Operator: Shore Terminals LLC.		
Owner: Shore Terminals LLC.		
Address: 90 San Pablo Avenue.	Phone: 510-787-1076	
Town: Selby	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Receipt and shipment of petroleum products.		
Depth Alongside (feet): 40 - 45	Latitude (decimal): 38.059167	
Total Berthing Space (feet): 850	Longitude (decimal): -122.2411	
Remarks: Four 12-inch pipelines extend from wharf to 22 storage tanks located at rear, total capacity 3,000,000 barrels. Tankage connects with Kinder Morgan Energy Partners LLC interstate pipeline system.		
Port Series: 31	Year of Last Survey: 2000	Corps of Engns Waterway Code: 82323 San Francisco District

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Remarks: Four 12-inch pipelines extend from wharf to 22 storage tanks located at rear, total capacity 3,000,000 barrels. Tankage connects with Kinder Morgan Energy Partners LLC interstate pipeline system.

Port Series: 31      Year of Last Survey: 2000      Corps of Engns Waterway Code: 82323      San Francisco District

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## Port Facilities by Waterway

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Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 65
Name: <b>Shore Terminals, Selby Marine Terminal, Tanker Wharf.</b>		
Port: Carquinez Strait		
Location: South side, Carquinez Strait, Selby, 1.2 miles above Davis Point.	Datum: MLLW	
Operator: Shore Terminals LLC.		
Owner: Shore Terminals LLC.		
Address: 90 San Pablo Avenue.	Phone: 510-787-1076	
Town: Selby	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Receipt and shipment of petroleum products.		
Depth Alongside (feet): 40 - 45	Latitude (decimal): 38.059167	
Total Berthing Space (feet): 850	Longitude (decimal): -122.2411	
Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 65
Name: <b>Shore Terminals, Selby Marine Terminal, Tanker Wharf.</b>		
Port: Carquinez Strait		
Location: South side, Carquinez Strait, Selby, 1.2 miles above Davis Point.	Datum: MLLW	
Operator: Shore Terminals LLC.		
Owner: Shore Terminals LLC.		
Address: 90 San Pablo Avenue.	Phone: 510-787-1076	
Town: Selby	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Receipt and shipment of petroleum products.		
Depth Alongside (feet): 40 - 45	Latitude (decimal): 38.059167	
Total Berthing Space (feet): 850	Longitude (decimal): -122.2411	
Remarks: Four 12-inch pipelines extend from wharf to 22 storage tanks located at rear, total capacity 3,000,000 barrels. Tankage connects with Kinder Morgan Energy Partners LLC interstate pipeline system.		
Port Series: 31	Year of Last Survey: 2000	Corps of Engns Waterway Code: 82323 San Francisco District

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Remarks: Four 12-inch pipelines extend from wharf to 22 storage tanks located at rear, total capacity 3,000,000 barrels. Tankage connects with Kinder Morgan Energy Partners LLC interstate pipeline system.

Port Series: 31      Year of Last Survey: 2000      Corps of Engns Waterway Code: 82323      San Francisco District

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## Port Facilities by Waterway

Waterway:	<b>Carquinez Strait</b>	Mile:	PWD: 70
Name:	<b>Tosco Refining Co., San Francisco Area Refinery at Avon, Amorcó Lo</b>		
Port:	Carquinez Strait		
Location:	Martinez, south side of Carquinez Strait, approximately 1,500 feet below Benicia-Martinez (Interstate Hi	Datum:	MLLW
Operator:	Not operated.		
Owner:	Tosco Refining Co., A Division of Tosco Corp.		
Address:	150 Solano Way.	Phone:	925-376-3138/31
Town:	Martinez	State:	CA
Railway Connection:	None.		
Purpose:	Not used.		
Depth Alongside (feet):	40	Latitude (decimal):	38.035
Total Berthing Space (feet):	982	Longitude (decimal):	-122.1239
Waterway:	<b>Carquinez Strait</b>	Mile:	PWD: 70
Name:	<b>Tosco Refining Co., San Francisco Area Refinery at Avon, Amorcó Lo</b>		
Port:	Carquinez Strait		
Location:	Martinez, south side of Carquinez Strait, approximately 1,500 feet below Benicia-Martinez (Interstate Hi	Datum:	MLLW
Operator:	Not operated.		
Owner:	Tosco Refining Co., A Division of Tosco Corp.		
Address:	150 Solano Way.	Phone:	925-376-3138/31
Town:	Martinez	State:	CA
Railway Connection:	None.		
Purpose:	Not used.		
Depth Alongside (feet):	40	Latitude (decimal):	38.035
Total Berthing Space (feet):	982	Longitude (decimal):	-122.1239
Remarks:	Face of wharf and breasting dolphins are in line with adjacent wharf (Ref. No. 71) providing 982 feet of continuous berthing space. Two 12-, two 10-, two 8-, and two 6-inch pipelines extending from wharf to crude oil and petroleum product storage tanks described under Ref. No. 71 were not in use at time of survey (2000). Tanks are connected by pipeline with Tosco Refining Co., San Francisco Area Refinery at Avon, located approximately 1.75 miles eastward.		
Port Series:	31	Year of Last Survey:	2000
Corps of Engrs Waterway Code:	82323	San Francisco District	
Remarks:	Face of wharf and breasting dolphins are in line with adjacent wharf (Ref. No. 71) providing 982 feet of continuous berthing space. Two 12-, two 10-, two 8-, and two 6-inch pipelines extending from wharf to crude oil and petroleum product storage tanks described under Ref. No. 71 were not in use at time of survey (2000). Tanks are connected by pipeline with Tosco Refining Co., San Francisco Area Refinery at Avon, located approximately 1.75 miles eastward.		
Port Series:	31	Year of Last Survey:	2000
Corps of Engrs Waterway Code:	82323	San Francisco District	

## Port Facilities by Waterway

Waterway:	<b>Carquinez Strait</b>	Mile:	PWD: 70
Name:	<b>Tosco Refining Co., San Francisco Area Refinery at Avon, Amorcó Lo</b>		
Port:	Carquinez Strait		
Location:	Martinez, south side of Carquinez Strait, approximately 1,500 feet below Benicia-Martinez (Interstate Hi	Datum:	MLLW
Operator:	Not operated.		
Owner:	Tosco Refining Co., A Division of Tosco Corp.		
Address:	150 Solano Way.	Phone:	925-376-3138/31
Town:	Martinez	State:	CA
Railway Connection:	None.		
Purpose:	Not used.		
Depth Alongside (feet):	40	Latitude (decimal):	38.035
Total Berthing Space (feet):	982	Longitude (decimal):	-122.1239
Waterway:	<b>Carquinez Strait</b>	Mile:	PWD: 70
Name:	<b>Tosco Refining Co., San Francisco Area Refinery at Avon, Amorcó Lo</b>		
Port:	Carquinez Strait		
Location:	Martinez, south side of Carquinez Strait, approximately 1,500 feet below Benicia-Martinez (Interstate Hi	Datum:	MLLW
Operator:	Not operated.		
Owner:	Tosco Refining Co., A Division of Tosco Corp.		
Address:	150 Solano Way.	Phone:	925-376-3138/31
Town:	Martinez	State:	CA
Railway Connection:	None.		
Purpose:	Not used.		
Depth Alongside (feet):	40	Latitude (decimal):	38.035
Total Berthing Space (feet):	982	Longitude (decimal):	-122.1239
Remarks:	Face of wharf and breasting dolphins are in line with adjacent wharf (Ref. No. 71) providing 982 feet of continuous berthing space. Two 12-, two 10-, two 8-, and two 6-inch pipelines extending from wharf to crude oil and petroleum product storage tanks described under Ref. No. 71 were not in use at time of survey (2000). Tanks are connected by pipeline with Tosco Refining Co., San Francisco Area Refinery at Avon, located approximately 1.75 miles eastward.		
Port Series:	31	Year of Last Survey:	2000
Corps of Engrs Waterway Code:	82323	San Francisco District	
Remarks:	Face of wharf and breasting dolphins are in line with adjacent wharf (Ref. No. 71) providing 982 feet of continuous berthing space. Two 12-, two 10-, two 8-, and two 6-inch pipelines extending from wharf to crude oil and petroleum product storage tanks described under Ref. No. 71 were not in use at time of survey (2000). Tanks are connected by pipeline with Tosco Refining Co., San Francisco Area Refinery at Avon, located approximately 1.75 miles eastward.		
Port Series:	31	Year of Last Survey:	2000
Corps of Engrs Waterway Code:	82323	San Francisco District	



## Port Facilities by Waterway

Waterway:	<b>Carquinez Strait</b>	Mile:	PWD: 71
Name:	<b>Tosco Refining Co., San Francisco Area Refinery at Avon, Amorcó Up</b>		
Port:	Carquinez Strait		
Location:	Martinez, south side of Carquinez Strait, approximately 1,000 feet below Benicia-Martinez (Interstate Hi	Datum:	MLLW
Operator:	Tosco Refining Co.		
Owner:	Tosco Refining Co., A Division of Tosco Corp.		
Address:	150 Solano Way.	Phone:	925-376-3138/31
Town:	Martinez	State:	CA
		County:	Contra Costa
Railway Connection:	None.		
Purpose:	Receipt of crude oil; shipment of petroleum products.		
Depth Alongside (feet):	40	Latitude (decimal):	38.035556
Total Berthing Space (feet):	982	Longitude (decimal):	-122.1233
Waterway:	<b>Carquinez Strait</b>	Mile:	PWD: 71
Name:	<b>Tosco Refining Co., San Francisco Area Refinery at Avon, Amorcó Up</b>		
Port:	Carquinez Strait		
Location:	Martinez, south side of Carquinez Strait, approximately 1,000 feet below Benicia-Martinez (Interstate Hi	Datum:	MLLW
Operator:	Tosco Refining Co.		
Owner:	Tosco Refining Co., A Division of Tosco Corp.		
Address:	150 Solano Way.	Phone:	925-376-3138/31
Town:	Martinez	State:	CA
		County:	Contra Costa
Railway Connection:	None.		
Purpose:	Receipt of crude oil; shipment of petroleum products.		
Depth Alongside (feet):	40	Latitude (decimal):	38.035556
Total Berthing Space (feet):	982	Longitude (decimal):	-122.1233
Remarks:	Breasting dolphins are connected by catwalks extending from sides of wharf. Face of wharf and breasting dolphins are in line with adjacent lower wharf and breasting dolphins (Ref. No. 70) providing 982 feet of continuous berthing space. One 20-inch crude oil pipeline extends from wharf to 6 steel, crude oil storage tanks in rear, total capacity 460,000 barrels; two 12-, two 10-, three 8-, and three 6-inch product pipelines extend from wharf to 13 petroleumproducts storage tanks, total capacity 579,000 barrels.		
Port Series:	31	Year of Last Survey:	2000
Corps of Engnrs Waterway Code:	82323	San Francisco District	
Remarks:	Breasting dolphins are connected by catwalks extending from sides of wharf. Face of wharf and breasting dolphins are in line with adjacent lower wharf and breasting dolphins (Ref. No. 70) providing 982 feet of continuous berthing space. One 20-inch crude oil pipeline extends from wharf to 6 steel, crude oil storage tanks in rear, total capacity 460,000 barrels; two 12-, two 10-, three 8-, and three 6-inch product pipelines extend from wharf to 13 petroleumproducts storage tanks, total capacity 579,000 barrels.		
Port Series:	31	Year of Last Survey:	2000
Corps of Engnrs Waterway Code:	82323	San Francisco District	

## Port Facilities by Waterway

Waterway:	<b>Carquinez Strait</b>	Mile:	PWD: 71
Name:	<b>Tosco Refining Co., San Francisco Area Refinery at Avon, Amorcó Up</b>		
Port:	Carquinez Strait		
Location:	Martinez, south side of Carquinez Strait, approximately 1,000 feet below Benicia-Martinez (Interstate Hi	Datum:	MLLW
Operator:	Tosco Refining Co.		
Owner:	Tosco Refining Co., A Division of Tosco Corp.		
Address:	150 Solano Way.	Phone:	925-376-3138/31
Town:	Martinez	State:	CA
		County:	Contra Costa
Railway Connection:	None.		
Purpose:	Receipt of crude oil; shipment of petroleum products.		
Depth Alongside (feet):	40	Latitude (decimal):	38.035556
Total Berthing Space (feet):	982	Longitude (decimal):	-122.1233
Waterway:	<b>Carquinez Strait</b>	Mile:	PWD: 71
Name:	<b>Tosco Refining Co., San Francisco Area Refinery at Avon, Amorcó Up</b>		
Port:	Carquinez Strait		
Location:	Martinez, south side of Carquinez Strait, approximately 1,000 feet below Benicia-Martinez (Interstate Hi	Datum:	MLLW
Operator:	Tosco Refining Co.		
Owner:	Tosco Refining Co., A Division of Tosco Corp.		
Address:	150 Solano Way.	Phone:	925-376-3138/31
Town:	Martinez	State:	CA
		County:	Contra Costa
Railway Connection:	None.		
Purpose:	Receipt of crude oil; shipment of petroleum products.		
Depth Alongside (feet):	40	Latitude (decimal):	38.035556
Total Berthing Space (feet):	982	Longitude (decimal):	-122.1233
Remarks:	Breasting dolphins are connected by catwalks extending from sides of wharf. Face of wharf and breasting dolphins are in line with adjacent lower wharf and breasting dolphins (Ref. No. 70) providing 982 feet of continuous berthing space. One 20-inch crude oil pipeline extends from wharf to 6 steel, crude oil storage tanks in rear, total capacity 460,000 barrels; two 12-, two 10-, three 8-, and three 6-inch product pipelines extend from wharf to 13 petroleumproducts storage tanks, total capacity 579,000 barrels.		
Port Series:	31	Year of Last Survey:	2000
Corps of Engnrs Waterway Code:	82323	San Francisco District	
Remarks:	Breasting dolphins are connected by catwalks extending from sides of wharf. Face of wharf and breasting dolphins are in line with adjacent lower wharf and breasting dolphins (Ref. No. 70) providing 982 feet of continuous berthing space. One 20-inch crude oil pipeline extends from wharf to 6 steel, crude oil storage tanks in rear, total capacity 460,000 barrels; two 12-, two 10-, three 8-, and three 6-inch product pipelines extend from wharf to 13 petroleumproducts storage tanks, total capacity 579,000 barrels.		
Port Series:	31	Year of Last Survey:	2000
Corps of Engnrs Waterway Code:	82323	San Francisco District	

## Port Facilities by Waterway

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Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 74
Name: <b>Tosco Refining Co., San Francisco Area Refinery at Avon, Barge Wha</b>		
Port: Carquinez Strait		
Location: Avon, south side of Suisun Bay, approximately 1.6 miles above Union Pacific Railroad Bridge.	Datum: MLLW	
Operator: Tosco Refining Co.		
Owner: Tosco Refining Co., A Division of Tosco Corp.		
Address: 150 Solano Way.	Phone: 925-376-3138/31	
Town: Avon	State: CA	County: Contra Costa
Railway Connection: Trackage serving tank car loading racks, warehouses, and drumming plant at refinery in rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Shipment of petroleum products by barge.		
Depth Alongside (feet): 18	Latitude (decimal): 38.048333	
Total Berthing Space (feet): 350	Longitude (decimal): -122.0922	

  

Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 74
Name: <b>Tosco Refining Co., San Francisco Area Refinery at Avon, Barge Wha</b>		
Port: Carquinez Strait		
Location: Avon, south side of Suisun Bay, approximately 1.6 miles above Union Pacific Railroad Bridge.	Datum: MLLW	
Operator: Tosco Refining Co.		
Owner: Tosco Refining Co., A Division of Tosco Corp.		
Address: 150 Solano Way.	Phone: 925-376-3138/31	
Town: Avon	State: CA	County: Contra Costa
Railway Connection: Trackage serving tank car loading racks, warehouses, and drumming plant at refinery in rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Shipment of petroleum products by barge.		
Depth Alongside (feet): 18	Latitude (decimal): 38.048333	
Total Berthing Space (feet): 350	Longitude (decimal): -122.0922	

Remarks: Berth is located at rear of Tanker Wharf (Ref. No. 73). Pipelines and tankage are described under Ref. No. 73. Refinery tankage also connects with pipelines operated by Kinder Morgan Energy Partners LLP.

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Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 81050	San Francisco District
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Remarks: Berth is located at rear of Tanker Wharf (Ref. No. 73). Pipelines and tankage are described under Ref. No. 73. Refinery tankage also connects with pipelines operated by Kinder Morgan Energy Partners LLP.

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Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 81050	San Francisco District
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## Port Facilities by Waterway

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Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 74
Name: <b>Tosco Refining Co., San Francisco Area Refinery at Avon, Barge Wha</b>		
Port: Carquinez Strait		
Location: Avon, south side of Suisun Bay, approximately 1.6 miles above Union Pacific Railroad Bridge.	Datum: MLLW	
Operator: Tosco Refining Co.		
Owner: Tosco Refining Co., A Division of Tosco Corp.		
Address: 150 Solano Way.	Phone: 925-376-3138/31	
Town: Avon	State: CA	County: Contra Costa
Railway Connection: Trackage serving tank car loading racks, warehouses, and drumming plant at refinery in rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Shipment of petroleum products by barge.		
Depth Alongside (feet): 18	Latitude (decimal): 38.048333	
Total Berthing Space (feet): 350	Longitude (decimal): -122.0922	

  

Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 74
Name: <b>Tosco Refining Co., San Francisco Area Refinery at Avon, Barge Wha</b>		
Port: Carquinez Strait		
Location: Avon, south side of Suisun Bay, approximately 1.6 miles above Union Pacific Railroad Bridge.	Datum: MLLW	
Operator: Tosco Refining Co.		
Owner: Tosco Refining Co., A Division of Tosco Corp.		
Address: 150 Solano Way.	Phone: 925-376-3138/31	
Town: Avon	State: CA	County: Contra Costa
Railway Connection: Trackage serving tank car loading racks, warehouses, and drumming plant at refinery in rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Shipment of petroleum products by barge.		
Depth Alongside (feet): 18	Latitude (decimal): 38.048333	
Total Berthing Space (feet): 350	Longitude (decimal): -122.0922	

Remarks: Berth is located at rear of Tanker Wharf (Ref. No. 73). Pipelines and tankage are described under Ref. No. 73. Refinery tankage also connects with pipelines operated by Kinder Morgan Energy Partners LLP.

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Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 81050	San Francisco District
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Remarks: Berth is located at rear of Tanker Wharf (Ref. No. 73). Pipelines and tankage are described under Ref. No. 73. Refinery tankage also connects with pipelines operated by Kinder Morgan Energy Partners LLP.

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Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 81050	San Francisco District
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## Port Facilities by Waterway

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Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 73
Name: <b>Tosco Refining Co., San Francisco Area Refinery at Avon, Tanker Wh</b>		
Port: Carquinez Strait		
Location: Avon, south side of Suisun Bay, approximately 1.6 miles above Union Pacific Railroad Bridge.	Datum: MLLW	
Operator: Tosco Refining Co.		
Owner: Tosco Refining Co., A Division of Tosco Corp.		
Address: 150 Solano Way.	Phone: 925-376-3138/31	
Town: Avon	State: CA	County: Contra Costa
Railway Connection: Trackage serving tank car loading racks, warehouses, and drumming plant at refinery in rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Occasional receipt of crude oil; receipt and shipment of petroleum products by tanker and barge.		
Depth Alongside (feet): 40   40   40	Latitude (decimal): 38.048611	
Total Berthing Space (feet): 1,505	Longitude (decimal): -122.0922	

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Waterway: <b>Carquinez Strait</b>	Mile:	PWD: 73
Name: <b>Tosco Refining Co., San Francisco Area Refinery at Avon, Tanker Wh</b>		
Port: Carquinez Strait		
Location: Avon, south side of Suisun Bay, approximately 1.6 miles above Union Pacific Railroad Bridge.	Datum: MLLW	
Operator: Tosco Refining Co.		
Owner: Tosco Refining Co., A Division of Tosco Corp.		
Address: 150 Solano Way.	Phone: 925-376-3138/31	
Town: Avon	State: CA	County: Contra Costa
Railway Connection: Trackage serving tank car loading racks, warehouses, and drumming plant at refinery in rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Occasional receipt of crude oil; receipt and shipment of petroleum products by tanker and barge.		
Depth Alongside (feet): 40   40   40	Latitude (decimal): 38.048611	
Total Berthing Space (feet): 1,505	Longitude (decimal): -122.0922	

Remarks: Lower and center sections of wharf are connected by a 100-foot walkway. One 20-inch crude oil pipeline, and two 12-, one 10-, three 8-, five 6-, and one 16-inch product pipelines extend from wharf to 29 steel storage tanks at rear, total capacity 1,000,000 barrels. An additional 81 storage tanks are located on opposite side of Waterfront Road, total capacity 6,700,000 barrels. Wharf is also served by one 10-inch fire water, and one 2-inch compressed air lines.

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Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 81050	San Francisco District
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Remarks: Lower and center sections of wharf are connected by a 100-foot walkway. One 20-inch crude oil pipeline, and two 12-, one 10-, three 8-, five 6-, and one 16-inch product pipelines extend from wharf to 29 steel storage tanks at rear, total capacity 1,000,000 barrels. An additional 81 storage tanks are located on opposite side of Waterfront Road, total capacity 6,700,000 barrels. Wharf is also served by one 10-inch fire water, and one 2-inch compressed air lines.

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Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 81050	San Francisco District
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## Port Facilities by Waterway

Waterway:	<b>Carquinez Strait</b>	Mile:	PWD: 73
Name:	<b>Tosco Refining Co., San Francisco Area Refinery at Avon, Tanker Wh</b>		
Port:	Carquinez Strait		
Location:	Avon, south side of Suisun Bay, approximately 1.6 miles above Union Pacific Railroad Bridge.	Datum:	MLLW
Operator:	Tosco Refining Co.		
Owner:	Tosco Refining Co., A Division of Tosco Corp.		
Address:	150 Solano Way.	Phone:	925-376-3138/31
Town:	Avon	State:	CA
		County:	Contra Costa
Railway Connection:	Trackage serving tank car loading racks, warehouses, and drumming plant at refinery in rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose:	Occasional receipt of crude oil; receipt and shipment of petroleum products by tanker and barge.		
Depth Alongside (feet):	40   40   40	Latitude (decimal):	38.048611
Total Berthing Space (feet):	1,505	Longitude (decimal):	-122.0922
Waterway:	<b>Carquinez Strait</b>	Mile:	PWD: 73
Name:	<b>Tosco Refining Co., San Francisco Area Refinery at Avon, Tanker Wh</b>		
Port:	Carquinez Strait		
Location:	Avon, south side of Suisun Bay, approximately 1.6 miles above Union Pacific Railroad Bridge.	Datum:	MLLW
Operator:	Tosco Refining Co.		
Owner:	Tosco Refining Co., A Division of Tosco Corp.		
Address:	150 Solano Way.	Phone:	925-376-3138/31
Town:	Avon	State:	CA
		County:	Contra Costa
Railway Connection:	Trackage serving tank car loading racks, warehouses, and drumming plant at refinery in rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose:	Occasional receipt of crude oil; receipt and shipment of petroleum products by tanker and barge.		
Depth Alongside (feet):	40   40   40	Latitude (decimal):	38.048611
Total Berthing Space (feet):	1,505	Longitude (decimal):	-122.0922
Remarks:	Lower and center sections of wharf are connected by a 100-foot walkway. One 20-inch crude oil pipeline, and two 12-, one 10-, three 8-, five 6-, and one 16-inch product pipelines extend from wharf to 29 steel storage tanks at rear, total capacity 1,000,000 barrels. An additional 81 storage tanks are located on opposite side of Waterfront Road, total capacity 6,700,000 barrels. Wharf is also served by one 10-inch fire water, and one 2-inch compressed air lines.		
Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 81050	San Francisco District
Remarks:	Lower and center sections of wharf are connected by a 100-foot walkway. One 20-inch crude oil pipeline, and two 12-, one 10-, three 8-, five 6-, and one 16-inch product pipelines extend from wharf to 29 steel storage tanks at rear, total capacity 1,000,000 barrels. An additional 81 storage tanks are located on opposite side of Waterfront Road, total capacity 6,700,000 barrels. Wharf is also served by one 10-inch fire water, and one 2-inch compressed air lines.		
Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 81050	San Francisco District

## Port Facilities by Waterway

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Waterway: **Carquinez Strait** Mile: PWD: 63

Name: **Tosco Refining Co., San Francisco Area Refinery at Rodeo Wharf.**

Port: Carquinez Strait

Location: South side, Carquinez Strait, Oleum, outer end of Davis Point. Datum: MLLW

Operator: Tosco Refining Co.

Owner: Tosco Refining Co., A Division of Tosco Corp.

Address: 1380 San Pablo Avenue. Phone: 510-245-4498

Town: Oleum State: CA County: Contra Costa

Railway Connection: One surface track serves car loading rack at refinery in rear; connects with Union Pacific Railroad.

Purpose: Receipt and shipment of crude oil and petroleum products; occasional bunkering vessels.

Depth Alongside (feet): 38 - 40 | 20 | Latitude (decimal): 38.056667

Total Berthing Space (feet): 1,375 | 622 | Longitude (decimal): -122.2617

Remarks: Two 16-inch crude pipelines, four 12-, three 10-, five 8-, and five 6-inch petroleum product pipelines extend from wharf to 45 storage tanks located at refinery in rear; total capacity 1,000,000 barrels of crude oil; 2,867,000 barrels of petroleum products. Crude oil is also received at refinery by pipeline from California oil fields. Refinery tankage connects via interstate pipeline system owned by Kinder Morgan Energy Partners LLC, and also connects via pipeline with company-owned tanks located at Richmond, California Terminal (See Ref. Nos. 49 and 50 in the Richmond section of this report), and company-owned Santa Maria Refinery at Avila, California. One 2,500-foot, floating, oil spill containment boom located at each end of wharf.

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82310 San Francisco District

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Waterway: **Eureka Channel** Mile: PWD: 67

Name: **City of Eureka Commercial Street Wharf.**

Port: Humboldt Bay

Location: Humboldt Bay, left bank, Eureka Channel Inner Reach, foot of Commercial Street Datum: MLLW extended.

Operator: Englund Marine and Pacific Choice Seafoods Co.

Owner: City of Eureka.

Address: 1-2 Commercial Street. Phone: 707-442-2981

Town: Eureka State: CA County: Humboldt

Railway Connection: None.

Purpose: Fueling and mooring fishing boats; and receipt of seafood.

Depth Alongside (feet): 20 - 26 | | Latitude (decimal): 40.805

Total Berthing Space (feet): 660 | | Longitude (decimal): -124.1733

Remarks: Buildings on wharf serve as seafood handling and processing plants and marine supply offices. One 10-inch pneumatic pipeline on wharf for receipt of seafood extends to plant at rear. Three diesel fuel tanks, total capacity 720 barrels serve fuel stations on wharf; also one 10,000-gallon gasoline tank is located at rear. Wharf is served by 1 1/2-inch sewage line connected to city sewer system.

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82690 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Eureka Channel** Mile: PWD: 69  
 Name: **City of Eureka Humboldt Dock B.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, left bank, Eureka Channel Outer Reach, approximately 1,200 feet above foot of Washington S Datum: MLLW  
 Operator: City of Eureka.  
 Owner: City of Eureka.  
 Address: Phone: 707-441-4100/42  
 Town: Eureka State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Receipt of seafood; mooring fishing boats.  
 Depth Alongside (feet): 23 | | Latitude (decimal): 40.801389  
 Total Berthing Space (feet): 200 | | Longitude (decimal): -124.1819  
 Remarks: Trucks have access to wharf.□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82690 San Francisco District

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Waterway: **Eureka Channel** Mile: PWD: 68  
 Name: **City of Eureka Public Marina.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, left bank, Eureka Channel Inner Reach, approximately 800 feet below foot of Commercial Str Datum: MLLW  
 Operator: City of Eureka.  
 Owner: City of Eureka.  
 Address: Phone: 707-441-4100/42  
 Town: Eureka State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Mooring fishing boats, recreational and other small craft.  
 Depth Alongside (feet): 8 - 16 | | Latitude (decimal): 40.803889  
 Total Berthing Space (feet): | | Longitude (decimal): -124.1767  
 Remarks: Concrete boat launching ramp is located above floats.□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82690 San Francisco District

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Waterway: **Eureka Channel** Mile: PWD: 60  
 Name: **City of Eureka, Guest Dock.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, above foot of L Street extended. Datum: MLLW  
 Operator: City of Eureka.  
 Owner: City of Eureka.  
 Address: Phone: 707-441-4100/42  
 Town: Eureka State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Mooring vessels.  
 Depth Alongside (feet): 8 | | Latitude (decimal): 40.806667  
 Total Berthing Space (feet): 200 | | Longitude (decimal): -124.1611  
 Remarks: Sam J. Sacco Sr. Memorial Amphitheater is located at rear.□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82690 San Francisco District

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## Port Facilities by Waterway

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Waterway: <b>Eureka Channel</b>	Mile:	PWD: 62
Name: <b>City of Eureka, J Street Pier.</b>		
Port: Humboldt Bay		
Location: Humboldt Bay, above foot of J Street extended.		Datum: MLLW
Operator: State of California Fish and Game Department.		
Owner: City of Eureka.		
Address: 619 Second Street.		Phone: 707-445-6493
Town: Eureka	State: CA	County: Humboldt
Railway Connection: None.		
Purpose: Mooring patrol and research vessels.		
Depth Alongside (feet):	8 - 10	Latitude (decimal): 40.806389
Total Berthing Space (feet):	-   65	Longitude (decimal): -124.1614
Remarks: Small craft moor at rear of face at upper side.□□		
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82690 San Francisco District

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Waterway: <b>Eureka Channel</b>	Mile:	PWD: 61
Name: <b>City of Eureka, K Street Pier.</b>		
Port: Humboldt Bay		
Location: Humboldt Bay, foot of K Street extended.		Datum: MLLW
Operator: Caito Fisheries, Inc.		
Owner: City of Eureka.		
Address: 1 K Street.		Phone: 707-443-0550
Town: Eureka	State: CA	County: Humboldt
Railway Connection: None.		
Purpose: Receipt of seafood.		
Depth Alongside (feet):	8	Latitude (decimal): 40.806389
Total Berthing Space (feet):	200	Longitude (decimal): -124.1603
Remarks: Seafood is trucked to processing plant.□□		
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82690 San Francisco District

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Waterway: <b>Eureka Channel</b>	Mile:	PWD: 65
Name: <b>Coast Seafoods Co., Eureka Slip.</b>		
Port: Humboldt Bay		
Location: Humboldt Bay, between foot of A and B Streets extended.		Datum: MLLW
Operator: Coast Seafoods Co.		
Owner: Coast Seafoods Co.		
Address: 25 Waterfront Drive.		Phone: 707-442-2947
Town: Eureka	State: CA	County: Humboldt
Railway Connection: None.		
Purpose: Receipt of oysters; mooring company-owned vessels.		
Depth Alongside (feet):	12   0 - 4	Latitude (decimal): 40.805556
Total Berthing Space (feet):	168   40	Longitude (decimal): -124.1706
Remarks: Oyster processing plant is located at rear.□□		
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82690 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Eureka Channel** Mile: PWD: 66

Name: **Eureka Ice and Cold Storage Co. Wharf.**

Port: Humboldt Bay

Location: Humboldt Bay, below foot of A Street extended. Datum: MLLW

Operator: Eureka Fisheries, Inc., d.b.a. Eureka Ice and Cold Storage Co.

Owner: Eureka Fisheries, Inc.

Address: Foot of A Street. Phone: 707-443-5663

Town: Eureka State: CA County: Humboldt

Railway Connection: None.

Purpose: Icing fishing boats.

Depth Alongside (feet): 8 | | Latitude (decimal): 40.805278

Total Berthing Space (feet): 151 | | Longitude (decimal): -124.1719

Remarks: One 6-inch ice hose extends to float from ice-making plant at rear, loading rate approximately 4 tons per hour. Plant has storage for 200 tons of flake ice.

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82690 San Francisco District

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Waterway: **Eureka Channel** Mile: PWD: 64

Name: **Humboldt Bay Harbor Cruise Dock.**

Port: Humboldt Bay

Location: Humboldt Bay, foot of C Street extended. Datum: MLLW

Operator: Humboldt Bay Harbor Cruise.

Owner: City of Eureka.

Address: Phone: 707-444-9440/44

Town: Eureka State: CA County: Humboldt

Railway Connection: None.

Purpose: Mooring harbor excursion vessel.

Depth Alongside (feet): | 12 - 16 | Latitude (decimal): 40.805833

Total Berthing Space (feet): - | 40 | Longitude (decimal): -124.1689

Remarks: Harbor cruise vessel 'Madaket' moors at wharf. Humboldt Bay Maritime Museum is located on First Street. □

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82690 San Francisco District

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Waterway: **Eureka Channel** Mile: PWD: 63

Name: **Nor-cal Seafoods, Eureka I Street Wharf.**

Port: Humboldt Bay

Location: Humboldt Bay, between foot of I and J Streets extended. Datum: MLLW

Operator: Nor-Cal Seafoods, Division of Eureka Fisheries, Inc.

Owner: Eureka Fisheries, Inc.

Address: Phone: 707-443-5663

Town: Eureka State: CA County: Humboldt

Railway Connection: None.

Purpose: Receipt of seafood; mooring fishing boats.

Depth Alongside (feet): 10 | | Latitude (decimal): 40.806389

Total Berthing Space (feet): 160 | | Longitude (decimal): -124.1622

Remarks: Seafood processing plant is located at rear in steel frame, metal-covered building. □

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82690 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Eureka Channel** Mile: PWD: 70  
 Name: **Pacific Affiliates, Eureka Wharf.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, below foot of Washington Street extended. Datum: MLLW  
 Operator: Pacific Affiliates, Inc.  
 Owner: David L. Schneider.  
 Address: 990 West Waterfront Drive. Phone: 707-498-0920  
 Town: Eureka State: CA County: Humboldt  
 Railway Connection: Surface tracks serving yard at rear; connect with Northwestern Pacific Railroad.  
 Purpose: Receipt and shipment of conventional general cargo; handling oil spill response equipment.  
 Depth Alongside (feet): 35 | 25 | Latitude (decimal): 40.7975  
 Total Berthing Space (feet): 1,000 | - | Longitude (decimal): -124.1856  
 Remarks: Approximately 17 acres of open storage area are located at rear.□□  
 Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82690 San Francisco District

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Waterway: **Eureka Channel** Mile: PWD: 72  
 Name: **Sierra Pacific Industries, Eureka Wharf.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, foot of 14th Street. Datum: MLLW  
 Operator: Sierra Pacific Industries, Inc. and Brusco Tug & Barge, Inc.  
 Owner: Eureka Forest Products, Inc.  
 Address: 1206 W. 14th Street. Phone: 707-443-7039/44  
 Town: Eureka State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Shipment of logs, lumber, and wood chips; mooring company-owned floating equipment.  
 Depth Alongside (feet): 32 - 35 | 14 | Latitude (decimal): 40.795278  
 Total Berthing Space (feet): 470 | | Longitude (decimal): -124.1864  
 Remarks: Approximately fifteen acres of paved, open storage area are located at rear with capacity for 5,000,000 FBM of logs; shed and warehouse have storage capacity for 1,000,000 FBM of lumber. Brusco Tug & Barge Co.: Mary Ann Brusco is based at wharf.  
 Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82690 San Francisco District

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Waterway: **Eureka Channel** Mile: PWD: 71  
 Name: **Tosco Refining Co., Eureka Terminal Wharf.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, approximately 650 feet above foot of Fourteenth Street. Datum: MLLW  
 Operator: Not operated.  
 Owner: Tosco Refining Co.  
 Address: 1200 Railroad Avenue. Phone: 510-412-7606  
 Town: Eureka State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Not used.  
 Depth Alongside (feet): 28 | | Latitude (decimal): 40.796111  
 Total Berthing Space (feet): 400 | | Longitude (decimal): -124.1861  
 Remarks: Three 6-inch hoses connect to three 6-inch pipelines extending to 8 steel storage tanks at rear, total capacity 110,000 barrels; pipelines were not in use at time of survey (1999).  
 Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82690 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Ford Channel** Mile: PWD: 35  
 Name: **Red and White Fleet, Richmond Ferry Dock.**  
 Port: Richmond  
 Location: West entrance to Ford Channel, at foot of Harbour Way South. Datum: MLLW  
 Operator: Red and White Fleet.  
 Owner: City of Richmond.  
 Address: 1453 Harbour Way South. Phone: 415-447-0591x2  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Landing for passenger ferries serving San Francisco.  
 Depth Alongside (feet): 14 - 16 | | Latitude (decimal): 37.909444  
 Total Berthing Space (feet): 80 | | Longitude (decimal): -122.36  
 Remarks: Vessels operate to Fisherman's Wharf (Pier 43 1/2) and to Ferry Building (Pier 1/2) in San Francisco.  
 Parking lot is located at rear. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82300 San Francisco District

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Waterway: **Humboldt Bay** Mile: PWD: 73  
 Name: **Chevron Products Co., Eureka Terminal Wharf.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, approximately 400 feet above foot of Truesdale Street extended. Datum: MLLW  
 Operator: Chevron Products Co.  
 Owner: Chevron Products Co.  
 Address: 3400 Christie Street. Phone: 707-444-7850  
 Town: Eureka State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Receipt of petroleum products by barge.  
 Depth Alongside (feet): 24 - 30 | | Latitude (decimal): 40.794722  
 Total Berthing Space (feet): 400 | | Longitude (decimal): -124.195  
 Remarks: One 8- and three 6-inch pipelines extend from wharf to 11 steel storage tanks at rear, total capacity approximately 105,000 barrels. MSRC 51 is based at rear of face of wharf.

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82690 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Humboldt Bay** Mile: PWD: 55  
 Name: **Eureka Boat Yard, Samoa Pier.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, Samoa Peninsula, approximately 3.5 miles north of inner end of entrance channel. Datum: MLLW  
 Operator: Eureka Boat Yard.  
 Owner: Eureka Boat Yard.  
 Address: 1483 Faye Avenue. Phone: 707-442-7232  
 Town: Fairhaven State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Mooring small vessels for repair.  
 Depth Alongside (feet): 0 - 28 | | Latitude (decimal): 40.795833  
 Total Berthing Space (feet): 200 | | Longitude (decimal): -124.1917  
 Remarks: One 150-, one 100, and one 300-ton marine railways are located at inner end of lower side. Marine repair shops and office are located at rear. □

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82690 San Francisco District

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Waterway: **Humboldt Bay** Mile: PWD: 54  
 Name: **Fairhaven Terminal Co./Westfall Stevedore Co. Simpson Mill Wharf.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, Samoa Peninsula, approximately 3.0 miles north of inner end of entrance channel. Datum: MLLW  
 Operator: Fairhaven Terminal Co./Westfall Stevedore Co.  
 Owner: Simpson Investment Company.  
 Address: 722 West Washington Street. Phone: 707-443-5688  
 Town: Fairhaven State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Receipt and shipment of conventional general cargo and wood pulp; receipt of lumber.  
 Depth Alongside (feet): 38 | 30 | Latitude (decimal): 40.788611  
 Total Berthing Space (feet): 700 | 350 | Longitude (decimal): -124.1933  
 Remarks: Operator was leasing approximately 7 acres of covered storage and 10 acres of open storage area at time of survey. Former paper mill was being dismantled at time of survey (1999).

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82690 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Humboldt Bay** Mile: PWD: 59

Name: **Humboldt Bay Harbor, Recreation, and Conservation District, Woodle**

Port: Humboldt Bay

Location: Humboldt Bay, east shore, Woodley Island, approximately 0.5 mile below Samoa- Datum: MLLW  
Eureka Bridge (State Highway)

Operator: Humboldt Bay Harbor, Recreation, and Conservation District.

Owner: Humboldt Bay Harbor, Recreation, and Conservation District.

Address: Phone: 707-443-0801

Town: Samoa State: CA County: Humboldt

Railway Connection: None.

Purpose: Mooring fishing boats, recreational, and other small craft.

Depth Alongside (feet): 14 | 10 | 14 Latitude (decimal): 40.806944

Total Berthing Space (feet): See | 300 Longitude (decimal): -124.1614

Remarks: Lower floats: twenty-six 70-, twenty-six 60-, ninety-one 50-, and twelve 40-foot berths; upper floats: fifty-two 40-, and twenty-six 30-foot berths. A 70- by 20-foot timber pile, timber-decked wharf is located at inner end of third pier from lower side. Each berth is served by water, electricity, and 1 1/2-inch line for discharging bilge water to oil-water separator tank at rear. Transient vessels moor inside breakwater float which is equipped with two sewage pumpout stations. U.S. Coast Guard vessel Barracuda is based at end of F Dock.

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82690 San Francisco District

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Waterway: **Humboldt Bay** Mile: PWD: 57

Name: **Louisiana-Pacific Corp., Samoa Chemical Wharf.**

Port: Humboldt Bay

Location: Humboldt Bay, Samoa Peninsula, approximately 1.4 miles below Eureka-Samoa Datum: MLLW  
Bridge (State Highway 255).

Operator: Louisiana-Pacific Corp.

Owner: Louisiana-Pacific Corp.

Address: Phone: 707-269-7505

Town: Samoa State: CA County: Humboldt

Railway Connection: None.

Purpose: Receipt of caustic soda.

Depth Alongside (feet): 35 | 13 - 15 | Latitude (decimal): 40.803611

Total Berthing Space (feet): 1,147 | 480 | Longitude (decimal): -124.1872

Remarks: Barge wharf: One 10-inch pipeline extends to 3 caustic storage tanks, total capacity 645,000 gallons. Face of wharf was not in use at time of survey (1999).

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82690 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Humboldt Bay** Mile: PWD: 56  
 Name: **Louisiana-Pacific Corp., Samoa Chip Export Wharf.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, Samoa Peninsula, approximately 3.9 miles north of inner end of entrance channel. Datum: MLLW  
 Operator: Louisiana-Pacific Corp.  
 Owner: Louisiana-Pacific Corp.  
 Address: Phone: 707-269-7505  
 Town: Samoa State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Shipment of wood chips.  
 Depth Alongside (feet): 38 | | Latitude (decimal): 40.798611  
 Total Berthing Space (feet): 1,260 | | Longitude (decimal): -124.1892  
 Remarks: Open storage area located at rear has capacity for 100,000 BDU (Bone Dry Units) of wood chips. □  
 Port Series: 30 Year of Last Survey: 2000 Corps of Engnr's Waterway Code: 82690 San Francisco District

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Waterway: **Humboldt Bay** Mile: PWD: 58  
 Name: **Simpson Investment Co., Samoa Wharf.**  
 Port: Humboldt Bay  
 Location: Humboldt Bay, Samoa Peninsula, approximately 0.7 miles below Eureka-Samoa Bridge (State Highway 255). Datum: MLLW  
 Operator: Not operated.  
 Owner: Simpson Investment Company.  
 Address: Phone: 206-224-5291  
 Town: Samoa State: CA County: Humboldt  
 Railway Connection: Surface tracks serving mill at rear; connect with Northwestern Pacific Railroad.  
 Purpose: Not used.  
 Depth Alongside (feet): 32 - 35 | - | - Latitude (decimal): 40.816389  
 Total Berthing Space (feet): 1,060 | - | - Longitude (decimal): -124.1803  
 Remarks: Wharf has open storage area for 4,000,000 board feet of lumber on apron, and 4,000,000 board feet in open storage area at rear. Building at rear has capacity for 10,000 tons of wood pulp. Portions of wharf were in poor condition at time of survey (1999).  
 Port Series: 30 Year of Last Survey: 2000 Corps of Engnr's Waterway Code: 82690 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Humboldt Bay** Mile: PWD: 53

Name: **U.S. Coast Guard Station, Humboldt Bay Pier.**

Port: Humboldt Bay

Location: Humboldt Bay, approximately 1.0 mile north of inner end of entrance channel, North Spit of Samoa Peninsula Datum: MLLW

Operator: U.S. Coast Guard.

Owner: U.S. Government.

Address: 200 New Navy Base Road. Phone: 707-443-2212

Town: Fairhaven State: CA County: Humboldt

Railway Connection: None.

Purpose: Mooring and fueling U.S. Coast Guard vessels.

Depth Alongside (feet): 5 - 12 | 5 - 12 | 12 Latitude (decimal): 40.766389

Total Berthing Space (feet): - | 60 | 50, Longitude (decimal): -124.2158

Remarks: Two marine railways located on upper side of inner end of approach were not operable at time of survey (1999). One 40- by 8-foot fueling float with steel gangway ramp extending from concrete pile, concrete-decked approach is located above boat house. One 2,000-gallon diesel storage tank and one 500-gallon gasoline storage tank are used for fueling vessels.

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82690 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 34

Name: **Alameda Gateway Ferry Terminal, West Pier No. 5.**

Port: Alameda

Location: Approximately 2.3 miles above entrance to Inner Harbor, at foot of Main Street Datum: MLLW extended.

Operator: Blue and Gold Fleet LP.

Owner: City of Alameda.

Address: 2900 Main Street. Phone: 510-522-3300

Town: Alameda State: CA County: Alameda

Railway Connection: None.

Purpose: Landing for passenger ferries serving Oakland and San Francisco.

Depth Alongside (feet): 35 | 35 | Latitude (decimal): 37.791111

Total Berthing Space (feet): 1490 | 100 | Longitude (decimal): -122.2939

Remarks: Wharf is in line and contiguous with Ref. No. 33. Passenger ferries operate daily to Oakland (Ref. No. 19) and across San Francisco Bay to San Francisco Ferry Building and Fisherman's Wharf (Pier 41). Paved parking lot is located at rear.

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 30  
 Name: **Alameda Gateway Pier.**  
 Port: Alameda  
 Location: Approximately 2 5/8 miles above entrance to Inner Harbor, 1,160 feet above foot of Main Street extended. Datum: MLLW  
 Operator: Seaway Towing Co. and Alameda Gateway, Ltd.  
 Owner: U.S. Government.  
 Address: 2900 Main Street. Phone: 510-521-2727  
 Town: Alameda State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Mooring company-owned tugs and other floating equipment.  
 Depth Alongside (feet): 32 | | Latitude (decimal): 37.791111  
 Total Berthing Space (feet): 640 | | Longitude (decimal): -122.2864  
 Remarks: Rear of wharf apron is fenced within the compound of U.S. Naval Supply Center at rear. □  
 Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82280 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 33  
 Name: **Alameda Gateway, East Pier No. 5.**  
 Port: Alameda  
 Location: Approximately 2.3 miles above entrance to Inner Harbor, at foot of Main Street extended. Datum: MLLW  
 Operator: Bay Ship & Yacht Co.  
 Owner: Alameda Gateway, Ltd.  
 Address: 2900 Main Street. Phone: 510-337-9122  
 Town: Alameda State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Mooring vessels for repair; mooring floating drydock.  
 Depth Alongside (feet): 32 | 20 | - Latitude (decimal): 37.791389  
 Total Berthing Space (feet): 350 | 300 | Longitude (decimal): -122.2911  
 Remarks: Wharf is in line and contiguous with Ref. No. 34. Wharf is equipped with lines for supplying compressed air, natural gas, and salt water. One 2,800-ton, floating drydock is located along upper end of wharf.  
 Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 32  
 Name: **Alameda Gateway, Pier No. 2.**  
 Port: Alameda  
 Location: Approximately 2.4 miles above entrance to Inner Harbor, above foot of Main Street Datum: MLLW extended.  
 Operator: Marine Express Co. and Bay Ship & Yacht Co.  
 Owner: Alameda Gateway, Ltd.  
 Address: 2900 Main Street. Phone: 510-523-8900  
 Town: Alameda State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Mooring company-owned floating equipment; mooring vessels for repair; mooring floating drydock.  
 Depth Alongside (feet): | 27 - 31 | 28 Latitude (decimal): 37.791944  
 Total Berthing Space (feet): - | 270 Longitude (decimal): -122.2889  
 Remarks: A 160-foot bulkhead is located at inner end of slip on lower side. One 400-ton floating drydock is moored along upper side of pier. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82280 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 31  
 Name: **Alameda Gateway, Pier No. 4.**  
 Port: Alameda  
 Location: Approximately 2 1/2 miles above entrance to Inner Harbor, 950 feet above foot of Main Street extended. Datum: MLLW  
 Operator: Seaway Towing Co.  
 Owner: Alameda Gateway, Ltd.  
 Address: 2900 Main Street. Phone: 510-521-3283  
 Town: Alameda State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Mooring company-owned tugs and other floating equipment.  
 Depth Alongside (feet): | 15 - 32 | 15 - 32 Latitude (decimal): 37.791944  
 Total Berthing Space (feet): - | 400 | 400 Longitude (decimal): -122.2872  
 Remarks: Pier forms 180-foot wide slip with Ref. No. 30; depths at quay wall are 20 to 25 feet. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 51  
 Name: **ARCO Products Co., Richmond Barge Wharf.**  
 Port: Richmond  
 Location: Right bank, Inner Harbor Channel, approximately 0.2 mile below entrance to Santa Fe Channel. Datum: MLLW  
 Operator: ARCO Products Co.  
 Owner: ARCO Products Co.  
 Address: 1306 Canal Boulevard. Phone: 510-236-0313  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: Tracks serving tank car loading racks in rear connect with Burlington Northern Santa Fe Railway.  
 Purpose: Mooring oil spill response vessel 'Clean Bay I.'  
 Depth Alongside (feet): 35 | | Latitude (decimal): 37.913333  
 Total Berthing Space (feet): 710 | | Longitude (decimal): -122.365  
 Remarks: Nine 8-inch pipelines extending from wharf to storage tanks described under Ref. No. 52 were not in use at time of survey. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 52  
 Name: **ARCO Products Co., Richmond Tanker Wharf.**  
 Port: Richmond  
 Location: Right bank, Inner Harbor Channel, approximately 0.3 mile below entrance to Santa Fe Channel. Datum: MLLW  
 Operator: ARCO Products Co.  
 Owner: ARCO Products Co.  
 Address: 1306 Canal Boulevard. Phone: 510-236-0313  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: Tracks serving tank car loading racks in rear connect with Burlington Northern Santa Fe Railway.  
 Purpose: Receipt and occasional shipment of petroleum products.  
 Depth Alongside (feet): 38 | | Latitude (decimal): 37.911944  
 Total Berthing Space (feet): 710 | | Longitude (decimal): -122.3647  
 Remarks: Wharf is connected to Barge Wharf (Ref. No. 51) by walkway. Ten 6- (not in use at time of survey 2000) and five 8-inch pipelines extend from wharf to 46 steel storage tanks located at rear, total capacity 737,000 barrels. Storage tanks at terminal are connected with interstate pipeline system of Kinder Morgan Energy Partners LLC.

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 23  
 Name: **ConAgra Flour Milling Co. Oakland Plant Wharf.**  
 Port: Oakland  
 Location: North side of Inner Harbor Channel, foot of E. 7th Street. Datum: MLLW  
 Operator: Dutra Construction Co., Inc.  
 Owner: ConAgra Flour Milling Co.  
 Address: 2201 E. 7th Street. Phone: 510-536-9555  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: Two surface tracks serve receiving facilities and loading spout at mill in rear; connect with Union Pacific Railroad.  
 Purpose: Mooring company-owned floating equipment.  
 Depth Alongside (feet): 15 | | Latitude (decimal): 37.774444  
 Total Berthing Space (feet): 795 | | Longitude (decimal): -122.2392  
 Remarks: Concrete silos located in rear have storage capacity for 1,000,000 bushels. Mill is used for processing and packaging grain and flour products. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 16  
 Name: **Port of Oakland, Charles P. Howard Container Terminal, Berths 67 a**  
 Port: Oakland  
 Location: North side, Inner Harbor Channel, between foot of Jefferson and Filber Streets Datum: MLLW  
 extended.  
 Operator: Stevedoring Services of America Terminals.  
 Owner: Port of Oakland.  
 Address: One Market Street. Phone: 510-238-4400  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: Surface track behind apron connects with Oakland Terminal Railway.  
 Purpose: Receipt and shipment of conventional, containerized, and roll-on/roll-off, general cargo and heavy lift items.  
 Depth Alongside (feet): 42 | | Latitude (decimal): 37.794722  
 Total Berthing Space (feet): 2,016 | | Longitude (decimal): -122.2842  
 Remarks: Terminal occupies 50 acres including 234 outlets for refrigerated cargo containers. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 19  
 Name: **Port of Oakland, Clay Street Ferry Terminal Landing.**  
 Port: Oakland  
 Location: North side, Inner Harbor Channel, south of foot of Clay Street extended. Datum: MLLW  
 Operator: Blue and Gold Fleet LP.  
 Owner: Port of Oakland.  
 Address: Phone: 415-705-5555  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Landing for ferry passengers.  
 Depth Alongside (feet): 15 | | Latitude (decimal): 37.794444  
 Total Berthing Space (feet): 75, | | Longitude (decimal): -122.28  
 Remarks: Passenger ferries operate daily to Alameda (Ref. No. 34) and across San Francisco Bay to San Francisco Ferry Building and Fisherman's Wharf (Pier 41); seasonal service is also provided to Angel Island.

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82280 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 20  
 Name: **Port of Oakland, Jack London Water Taxi Landing.**  
 Port: Oakland  
 Location: North side, Inner Harbor Channel, north of foot of Broadway. Datum: MLLW  
 Operator: Jack London Water Taxi.  
 Owner: Port of Oakland.  
 Address: Phone: 510-839-7572  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Landing for water taxi.  
 Depth Alongside (feet): 20 | | Latitude (decimal): 37.793611  
 Total Berthing Space (feet): 90 | | Longitude (decimal): -122.2775  
 Remarks: Operator also serves Reef, Estuary Park, Portobello, and Broadway in Oakland and Grand Marina, Gate 8, Marine Village, and Mariner Square in Alameda.□

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 11  
 Name: **Port of Oakland, Middle Harbor Container Terminal, Berths 55 and 5**  
 Port: Oakland  
 Location: North side of Inner Harbor Channel, foot of 6th Street extended. Datum: MLLW  
 Operator: Hanjin Shipping Co.  
 Owner: Port of Oakland.  
 Address: Phone: 510-627-1450  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: Joint Intermodal Terminal owned by Port of Oakland is located adjacent to terminal.  
 Purpose: Receipt and shipment of containerized general cargo.  
 Depth Alongside (feet): 42 | | Latitude (decimal): 37.797222  
 Total Berthing Space (feet): 2,400 | | Longitude (decimal): -122.3217  
 Remarks: Terminal occupies 120 acres and is described as it will appear upon completion of construction in January 2001. Union Pacific Railroad operates intermodal container transfer yard adjacent to this facility on opposite side of Middle Harbor Road.

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 12  
 Name: **Port of Oakland, Middle Harbor Container Terminal, Berths 60, 61,**  
 Port: Oakland  
 Location: North side of Inner Harbor Channel, above foot of Ferro Street. Datum: MLLW  
 Operator: American President Lines.  
 Owner: Port of Oakland.  
 Address: 1395 Middle Harbor Road. Phone: 510-272-2010  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Receipt and shipment of containerized general cargo.  
 Depth Alongside (feet): 42 | | Latitude (decimal): 37.793611  
 Total Berthing Space (feet): 2,743 | | Longitude (decimal): -122.3003  
 Remarks: Terminal occupies 81 acres including 374 outlets for refrigerated cargo containers. Union Pacific Railroad operates intermodal container transfer yard directly north of this facility on opposite side of Middle Harbor Road.

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 21  
 Name: **Port of Oakland, Ninth Avenue Terminal, Berths 82, 83, and 84.**  
 Port: Oakland  
 Location: North side, Inner Harbor Channel, foot of Ninth Avenue below entrance to Brooklyn Basin North Channel. Datum: MLLW  
 Operator: Port of Oakland.  
 Owner: Port of Oakland.  
 Address: 101 Tenth Avenue. Phone: 510-627-1450  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Mooring vessels.  
 Depth Alongside (feet): 35 | 35 | Latitude (decimal): 37.785833  
 Total Berthing Space (feet): 950 | 1,115 | Longitude (decimal): -122.2583  
 Remarks: Approximately 26 acres of paved open storage area are located at rear.□□

Port Series: 31 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82280 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 18  
 Name: **Port of Oakland, Potomac Dock.**  
 Port: Oakland  
 Location: North side, Inner Harbor Channel, foot of Clay Street extended. Datum: MLLW  
 Operator: Potomac Association.  
 Owner: Port of Oakland.  
 Address: 540 Water Street. Phone: 510-627-1215  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Mooring Presidential Yacht Potomac.  
 Depth Alongside (feet): 15 | | Latitude (decimal): 37.795278  
 Total Berthing Space (feet): 80 | | Longitude (decimal): -122.2797  
 Remarks: Potomac was Franklin Delano Roosevelt's 'Floating White House.' Seasonal harbor cruises are available.□

Port Series: 31 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82280 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 17  
 Name: **Port of Oakland, Station 2 Fireboat Dock.**  
 Port: Oakland  
 Location: North side, Inner Harbor Channel, north of foot of Clay Street extended. Datum: MLLW  
 Operator: City of Oakland Fire Department.  
 Owner: Port of Oakland.  
 Address: 100 Jack London Square. Phone: 510-238-4002  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Mooring fireboat 'Sea Wolf.'  
 Depth Alongside (feet): 25 | | Latitude (decimal): 37.795556  
 Total Berthing Space (feet): 85 | | Longitude (decimal): -122.2803  
 Remarks: Oakland Fire Department Station 2 is located at rear.□□

Port Series: 31 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 58  
 Name: **Port of Richmond Terminal No. 1 Wharf.**  
 Port: Richmond  
 Location: Point Richmond, east of foot of Garrard Boulevard. Datum: MLLW  
 Operator: City of Richmond.  
 Owner: City of Richmond.  
 Address: 860 S. Garrard Boulevard. Phone: 510-215-4600  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Mooring SS Red Oak Victory.  
 Depth Alongside (feet): 29 | | Latitude (decimal): 37.908333  
 Total Berthing Space (feet): 557 | | Longitude (decimal): -122.3869  
 Remarks: -□□

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 54  
 Name: **Port of Richmond, Point Potrero Marine Terminal No. 6 Wharf.**  
 Port: Richmond  
 Location: Inner Harbor Channel, south side of Point Potrero. Datum: MLLW  
 Operator: Marin Tug & Barge, Inc.  
 Owner: City of Richmond.  
 Address: 1318 Canal Boulevard. Phone: 510-236-5880  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: Trackage serving terminal in rear connects with Burlington Northern Santa Fe Railway.  
 Purpose: Mooring company-owned tug and bunkering barge.  
 Depth Alongside (feet): 32 | 24 | Latitude (decimal): 37.905  
 Total Berthing Space (feet): 266 | 450 | Longitude (decimal): -122.3642  
 Remarks: Dispatch office is located at rear.□□

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 53  
 Name: **Port of Richmond, Point Potrero Marine Terminal No. 7 Wharf.**  
 Port: Richmond  
 Location: Right side of entrance to Inner Harbor Channel, east side of Point Potrero. Datum: MLLW  
 Operator: Pasha Group.  
 Owner: City of Richmond.  
 Address: 1301 Canal Boulevard. Phone: 510-215-4600  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: Trackage serving terminal in rear connects with Burlington Northern Santa Fe Railway.  
 Purpose: Occasional receipt and shipment of general cargo.  
 Depth Alongside (feet): 38 | | Latitude (decimal): 37.9075  
 Total Berthing Space (feet): 1,615 | | Longitude (decimal): -122.3639  
 Remarks: Pasha Group has preferential berthing at terminal. There are 40 acres of paved, open storage for automobiles at rear and an additional 50 acres of unpaved area owned by the Port of Richmond.

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 55  
 Name: **Port of Richmond, Point Potrero Marine Terminal, Berths Nos. R6-1**  
 Port: Richmond  
 Location: Inner Harbor Channel, south side of Point Potrero. Datum: MLLW  
 Operator: Port of Richmond.  
 Owner: City of Richmond.  
 Address: 1313 Canal Boulevard. Phone: 510-215-4600  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Mooring vessels.  
 Depth Alongside (feet): 15 - \* | 27 - \* | 27 - \* Latitude (decimal): 37.904722  
 Total Berthing Space (feet): 576 | 748 | 587 Longitude (decimal): -122.3664  
 Remarks: Berth R6-1 (Dock No. 1) is on the west end, Berth R6-5 (Dock No. 5) on the east end.□  
 Port Series: 31 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82300 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 56  
 Name: **Port of Richmond, Point Potrero Marine Terminal, Finger Pier 1.**  
 Port: Richmond  
 Location: North side, Inner Harbor Channel, approximately 0.4 mile west of Point Potrero. Datum: MLLW  
 Operator: Marine Spill Response Corp.  
 Owner: City of Richmond.  
 Address: 1314 Canal Boulevard. Phone: 510-215-1833  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Mooring response vessels.  
 Depth Alongside (feet): 30 | 12 | 30 Latitude (decimal): 37.905  
 Total Berthing Space (feet): 48 | 522 | 472 Longitude (decimal): -122.3717  
 Remarks: Pier forms 280-foot wide slip with Finger Pier 2 (Ref. No. 57). Pacific Responder and MSRC-452 are based at pier.□  
 Port Series: 31 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82300 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 57  
 Name: **Port of Richmond, Point Potrero Marine Terminal, Finger Pier 2.**  
 Port: Richmond  
 Location: North side, Inner Harbor Channel, approximately 0.4 mile west of Point Potrero. Datum: MLLW  
 Operator: Foss Maritime Co.  
 Owner: City of Richmond.  
 Address: 1316 Canal Boulevard. Phone: 510-307-7820  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Mooring company-owned floating equipment, including tugs and bunkering barges.  
 Depth Alongside (feet): 10 - 19 | | Latitude (decimal): 37.905556  
 Total Berthing Space (feet): 547 | | Longitude (decimal): -122.3731  
 Remarks: Pier forms 280-foot wide slip with Finger Pier 1 (Ref. No. 56). Dispatch office is located at rear.□  
 Port Series: 31 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82300 San Francisco District

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## Port Facilities by Waterway

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Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 37
Name: <b>Port of Richmond, Terminal No. 2, Lower Wharf.</b>		
Port: Richmond		
Location: Left bank, Inner Harbor Channel, approximately 400 feet above foot of Hall Avenue extended.		Datum: MLLW
Operator: Not operated.		
Owner: City of Richmond.		
Address:		Phone: 510-215-4600
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Not used.		
Depth Alongside (feet): 38		Latitude (decimal): 37.915278
Total Berthing Space (feet): 192		Longitude (decimal): -122.3622

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Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 37
Name: <b>Port of Richmond, Terminal No. 2, Lower Wharf.</b>		
Port: Richmond		
Location: Left bank, Inner Harbor Channel, approximately 400 feet above foot of Hall Avenue extended.		Datum: MLLW
Operator: Not operated.		
Owner: City of Richmond.		
Address:		Phone: 510-215-4600
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Not used.		
Depth Alongside (feet): 38		Latitude (decimal): 37.915278
Total Berthing Space (feet): 192		Longitude (decimal): -122.3622

Remarks: Face of wharf is in line with face of adjacent wharves (Ref. Nos. 36 and 38), providing approximately 1,780 feet of continuous berthing space. □

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Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82300	San Francisco District
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Remarks: Face of wharf is in line with face of adjacent wharves (Ref. Nos. 36 and 38), providing approximately 1,780 feet of continuous berthing space. □

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Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82300	San Francisco District
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## Port Facilities by Waterway

Waterway:	Inner Harbor Channel			Mile:	PWD: 37
Name:	Port of Richmond, Terminal No. 2, Lower Wharf.				
Port:	Richmond				
Location:	Left bank, Inner Harbor Channel, approximately 400 feet above foot of Hall Avenue extended.			Datum:	MLLW
Operator:	Not operated.				
Owner:	City of Richmond.				
Address:				Phone:	510-215-4600
Town:	Richmond	State:	CA	County:	Contra Costa
Railway Connection:	None.				
Purpose:	Not used.				
Depth Alongside (feet):	38			Latitude (decimal):	37.915278
Total Berthing Space (feet):	192			Longitude (decimal):	-122.3622
Waterway:	Inner Harbor Channel			Mile:	PWD: 37
Name:	Port of Richmond, Terminal No. 2, Lower Wharf.				
Port:	Richmond				
Location:	Left bank, Inner Harbor Channel, approximately 400 feet above foot of Hall Avenue extended.			Datum:	MLLW
Operator:	Not operated.				
Owner:	City of Richmond.				
Address:				Phone:	510-215-4600
Town:	Richmond	State:	CA	County:	Contra Costa
Railway Connection:	None.				
Purpose:	Not used.				
Depth Alongside (feet):	38			Latitude (decimal):	37.915278
Total Berthing Space (feet):	192			Longitude (decimal):	-122.3622
Remarks:	Face of wharf is in line with face of adjacent wharves (Ref. Nos. 36 and 38), providing approximately 1,780 feet of continuous berthing space.□				
Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82300	San Francisco District		
Remarks: Face of wharf is in line with face of adjacent wharves (Ref. Nos. 36 and 38), providing approximately 1,780 feet of continuous berthing space.□					
Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82300	San Francisco District		

## Port Facilities by Waterway

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Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 38
Name: <b>Port of Richmond, Terminal No. 2, Upper Wharf.</b>		
Port: Richmond		
Location: Left bank, Inner Harbor Channel, approximately 900 feet above foot of Hall Avenue      Datum: MLLW extended.		
Operator: California Oils Corporation.		
Owner: City of Richmond.		
Address: 1145 Harbour Way South.		Phone: 510-231-6423
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: Surface track serving terminal at rear; connects with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Receipt and shipment of edible oils.		
Depth Alongside (feet): 38		Latitude (decimal): 37.916389
Total Berthing Space (feet): 300		Longitude (decimal): -122.3622

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Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 38
Name: <b>Port of Richmond, Terminal No. 2, Upper Wharf.</b>		
Port: Richmond		
Location: Left bank, Inner Harbor Channel, approximately 900 feet above foot of Hall Avenue      Datum: MLLW extended.		
Operator: California Oils Corporation.		
Owner: City of Richmond.		
Address: 1145 Harbour Way South.		Phone: 510-231-6423
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: Surface track serving terminal at rear; connects with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Receipt and shipment of edible oils.		
Depth Alongside (feet): 38		Latitude (decimal): 37.916389
Total Berthing Space (feet): 300		Longitude (decimal): -122.3622

Remarks: Face of wharf is in line with face of adjacent wharves (Ref. Nos. 36 and 37), providing approximately 1,780 feet of continuous berthing space. Three 6-inch pipelines extend from wharf to ten storage tanks located at processing plant in rear, total capacity 2,000,000 gallons.

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Port Series: 31	Year of Last Survey: 2000	Corps of Engns Waterway Code: 82300	San Francisco District
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Remarks: Face of wharf is in line with face of adjacent wharves (Ref. Nos. 36 and 37), providing approximately 1,780 feet of continuous berthing space. Three 6-inch pipelines extend from wharf to ten storage tanks located at processing plant in rear, total capacity 2,000,000 gallons.

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Port Series: 31	Year of Last Survey: 2000	Corps of Engns Waterway Code: 82300	San Francisco District
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## Port Facilities by Waterway

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Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 38
Name: <b>Port of Richmond, Terminal No. 2, Upper Wharf.</b>		
Port: Richmond		
Location: Left bank, Inner Harbor Channel, approximately 900 feet above foot of Hall Avenue      Datum: MLLW extended.		
Operator: California Oils Corporation.		
Owner: City of Richmond.		
Address: 1145 Harbour Way South.		Phone: 510-231-6423
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: Surface track serving terminal at rear; connects with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Receipt and shipment of edible oils.		
Depth Alongside (feet): 38		Latitude (decimal): 37.916389
Total Berthing Space (feet): 300		Longitude (decimal): -122.3622
Waterway: <b>Inner Harbor Channel</b>		
Name: <b>Port of Richmond, Terminal No. 2, Upper Wharf.</b>		
Port: Richmond		
Location: Left bank, Inner Harbor Channel, approximately 900 feet above foot of Hall Avenue      Datum: MLLW extended.		
Operator: California Oils Corporation.		
Owner: City of Richmond.		
Address: 1145 Harbour Way South.		Phone: 510-231-6423
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: Surface track serving terminal at rear; connects with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Receipt and shipment of edible oils.		
Depth Alongside (feet): 38		Latitude (decimal): 37.916389
Total Berthing Space (feet): 300		Longitude (decimal): -122.3622
Remarks: Face of wharf is in line with face of adjacent wharves (Ref. Nos. 36 and 37), providing approximately 1,780 feet of continuous berthing space. Three 6-inch pipelines extend from wharf to ten storage tanks located at processing plant in rear, total capacity 2,000,000 gallons.		
Port Series: 31      Year of Last Survey: 2000      Corps of Engns Waterway Code: 82300      San Francisco District		

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Remarks: Face of wharf is in line with face of adjacent wharves (Ref. Nos. 36 and 37), providing approximately 1,780 feet of continuous berthing space. Three 6-inch pipelines extend from wharf to ten storage tanks located at processing plant in rear, total capacity 2,000,000 gallons.

Port Series: 31      Year of Last Survey: 2000      Corps of Engns Waterway Code: 82300      San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 36

Name: **Port of Richmond, Terminal No. 3 Wharf.**

Port: Richmond

Location: Left bank, Inner Harbor Channel, approximately 1,000 feet above entrance, at foot of Hall Avenue extended Datum: MLLW

Operator: Stevedoring Services of America.

Owner: City of Richmond.

Address: 1411 Harbour Way South. Phone: 510-232-1741

Town: Richmond State: CA County: Contra Costa

Railway Connection: None.

Purpose: Receipt and shipment of conventional general cargo, including steel, wood products, and heavy lift items.

Depth Alongside (feet): 38 | | Latitude (decimal): 37.913056

Total Berthing Space (feet): 1,109 | | Longitude (decimal): -122.3617

Remarks: Face of wharf is in line with face of adjacent wharves (Ref. Nos. 37 and 38), providing approximately 1,780 feet of continuous berthing. Approximately 18 acres of paved, open storage area are located in rear.

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 24

Name: **RMC Pacific Materials, Oakland Wharf.**

Port: Oakland

Location: North side of Inner Harbor Channel, below Park Street Bridge. Datum: MLLW

Operator: Seaworks, Inc.

Owner: RMC Pacific Materials.

Address: 333 23rd Avenue. Phone: 510-533-5093

Town: Oakland State: CA County: Alameda

Railway Connection: None.

Purpose: Mooring vessels.

Depth Alongside (feet): 10 | | Latitude (decimal): 37.7725

Total Berthing Space (feet): 93 | | Longitude (decimal): -122.2358

Remarks: Concrete batch plant and open storage area for 21,000 tons of sand are located at rear. Trucks previously transported sand from two 60-ton, steel hoppers to batch plant.

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 14
Name: <b>Schnitzer Steel Products Co., 6th Street Pier.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Shipment of shredded scrap metal.		
Depth Alongside (feet): 36   2 - 30   2 - 30	Latitude (decimal): 37.794167	
Total Berthing Space (feet): 700   -   -	Longitude (decimal): -122.2917	
Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 14
Name: <b>Schnitzer Steel Products Co., 6th Street Pier.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Shipment of shredded scrap metal.		
Depth Alongside (feet): 36   2 - 30   2 - 30	Latitude (decimal): 37.794167	
Total Berthing Space (feet): 700   -   -	Longitude (decimal): -122.2917	
Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 14
Name: <b>Schnitzer Steel Products Co., 6th Street Pier.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Shipment of shredded scrap metal.		
Depth Alongside (feet): 36   2 - 30   2 - 30	Latitude (decimal): 37.794167	
Total Berthing Space (feet): 700   -   -	Longitude (decimal): -122.2917	
Remarks: Vessels using pier breast against face of 7th Street Pier (Ref. No. 13). □□		

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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Remarks: Vessels using pier breast against face of 7th Street Pier (Ref. No. 13). □□

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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Remarks: Vessels using pier breast against face of 7th Street Pier (Ref. No. 13). □□

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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## Port Facilities by Waterway

Waterway:	Inner Harbor Channel				Mile:	PWD: 14	
Name:	Schnitzer Steel Products Co., 6th Street Pier.						
Port:	Oakland						
Location:	North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.			Datum:	MLLW		
Operator:	Schnitzer Steel Products Co.						
Owner:	Schnitzer Steel Products Co.						
Address:	1101 Embarcadero West.			Phone:	510-444-3919		
Town:	Oakland	State:	CA	County:	Alameda		
Railway Connection:	Trackage serving yard at rear connects with Union Pacific Railroad.						
Purpose:	Shipment of shredded scrap metal.						
Depth Alongside (feet):	36		2 - 30		2 - 30	Latitude (decimal):	37.794167
Total Berthing Space (feet):	700		-		-	Longitude (decimal):	-122.2917
Waterway:	Inner Harbor Channel				Mile:	PWD: 14	
Name:	Schnitzer Steel Products Co., 6th Street Pier.						
Port:	Oakland						
Location:	North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.			Datum:	MLLW		
Operator:	Schnitzer Steel Products Co.						
Owner:	Schnitzer Steel Products Co.						
Address:	1101 Embarcadero West.			Phone:	510-444-3919		
Town:	Oakland	State:	CA	County:	Alameda		
Railway Connection:	Trackage serving yard at rear connects with Union Pacific Railroad.						
Purpose:	Shipment of shredded scrap metal.						
Depth Alongside (feet):	36		2 - 30		2 - 30	Latitude (decimal):	37.794167
Total Berthing Space (feet):	700		-		-	Longitude (decimal):	-122.2917
Waterway:	Inner Harbor Channel				Mile:	PWD: 14	
Name:	Schnitzer Steel Products Co., 6th Street Pier.						
Port:	Oakland						
Location:	North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.			Datum:	MLLW		
Operator:	Schnitzer Steel Products Co.						
Owner:	Schnitzer Steel Products Co.						
Address:	1101 Embarcadero West.			Phone:	510-444-3919		
Town:	Oakland	State:	CA	County:	Alameda		
Railway Connection:	Trackage serving yard at rear connects with Union Pacific Railroad.						
Purpose:	Shipment of shredded scrap metal.						
Depth Alongside (feet):	36		2 - 30		2 - 30	Latitude (decimal):	37.794167
Total Berthing Space (feet):	700		-		-	Longitude (decimal):	-122.2917
Remarks:	Vessels using pier breast against face of 7th Street Pier (Ref. No. 13).□□						
Port Series:	31	Year of Last Survey:	2000	Corps of Engrns Waterway Code:	82280	San Francisco District	
Remarks:	Vessels using pier breast against face of 7th Street Pier (Ref. No. 13).□□						
Port Series:	31	Year of Last Survey:	2000	Corps of Engrns Waterway Code:	82280	San Francisco District	
Remarks:	Vessels using pier breast against face of 7th Street Pier (Ref. No. 13).□□						
Port Series:	31	Year of Last Survey:	2000	Corps of Engrns Waterway Code:	82280	San Francisco District	



## Port Facilities by Waterway

Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 14
Name: <b>Schnitzer Steel Products Co., 6th Street Pier.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Shipment of shredded scrap metal.		
Depth Alongside (feet): 36   2 - 30   2 - 30	Latitude (decimal): 37.794167	
Total Berthing Space (feet): 700   -   -	Longitude (decimal): -122.2917	
Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 14
Name: <b>Schnitzer Steel Products Co., 6th Street Pier.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Shipment of shredded scrap metal.		
Depth Alongside (feet): 36   2 - 30   2 - 30	Latitude (decimal): 37.794167	
Total Berthing Space (feet): 700   -   -	Longitude (decimal): -122.2917	
Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 14
Name: <b>Schnitzer Steel Products Co., 6th Street Pier.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Shipment of shredded scrap metal.		
Depth Alongside (feet): 36   2 - 30   2 - 30	Latitude (decimal): 37.794167	
Total Berthing Space (feet): 700   -   -	Longitude (decimal): -122.2917	
Remarks: Vessels using pier breast against face of 7th Street Pier (Ref. No. 13). □□		

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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Remarks: Vessels using pier breast against face of 7th Street Pier (Ref. No. 13). □□

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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Remarks: Vessels using pier breast against face of 7th Street Pier (Ref. No. 13). □□

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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## Port Facilities by Waterway

Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 15
Name: <b>Schnitzer Steel Products Co., Bulkhead Wharf.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Adeline and Chestnut Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co. and Port of Oakland.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Receipt of scrap metal by barge.		
Depth Alongside (feet): 31		Latitude (decimal): 37.795278
Total Berthing Space (feet): 500		Longitude (decimal): -122.2894
Waterway: <b>Inner Harbor Channel</b>		
Mile: PWD: 15		
Name: <b>Schnitzer Steel Products Co., Bulkhead Wharf.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Adeline and Chestnut Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co. and Port of Oakland.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Receipt of scrap metal by barge.		
Depth Alongside (feet): 31		Latitude (decimal): 37.795278
Total Berthing Space (feet): 500		Longitude (decimal): -122.2894
Waterway: <b>Inner Harbor Channel</b>		
Mile: PWD: 15		
Name: <b>Schnitzer Steel Products Co., Bulkhead Wharf.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Adeline and Chestnut Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co. and Port of Oakland.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Receipt of scrap metal by barge.		
Depth Alongside (feet): 31		Latitude (decimal): 37.795278
Total Berthing Space (feet): 500		Longitude (decimal): -122.2894
Remarks: -□□		

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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Remarks: -□□

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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Remarks: -□□

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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## Port Facilities by Waterway

Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 15
Name: <b>Schnitzer Steel Products Co., Bulkhead Wharf.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Adeline and Chestnut Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co. and Port of Oakland.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Receipt of scrap metal by barge.		
Depth Alongside (feet): 31		Latitude (decimal): 37.795278
Total Berthing Space (feet): 500		Longitude (decimal): -122.2894
Waterway: <b>Inner Harbor Channel</b>		
Mile: PWD: 15		
Name: <b>Schnitzer Steel Products Co., Bulkhead Wharf.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Adeline and Chestnut Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co. and Port of Oakland.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Receipt of scrap metal by barge.		
Depth Alongside (feet): 31		Latitude (decimal): 37.795278
Total Berthing Space (feet): 500		Longitude (decimal): -122.2894
Waterway: <b>Inner Harbor Channel</b>		
Mile: PWD: 15		
Name: <b>Schnitzer Steel Products Co., Bulkhead Wharf.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Adeline and Chestnut Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co. and Port of Oakland.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Receipt of scrap metal by barge.		
Depth Alongside (feet): 31		Latitude (decimal): 37.795278
Total Berthing Space (feet): 500		Longitude (decimal): -122.2894
Remarks: -□□		

Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82280	San Francisco District
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Remarks: -□□

Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82280	San Francisco District
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Remarks: -□□

Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82280	San Francisco District
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## Port Facilities by Waterway

Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 15
Name: <b>Schnitzer Steel Products Co., Bulkhead Wharf.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Adeline and Chestnut Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co. and Port of Oakland.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Receipt of scrap metal by barge.		
Depth Alongside (feet): 31		Latitude (decimal): 37.795278
Total Berthing Space (feet): 500		Longitude (decimal): -122.2894
Waterway: <b>Inner Harbor Channel</b>		
Mile: PWD: 15		
Name: <b>Schnitzer Steel Products Co., Bulkhead Wharf.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Adeline and Chestnut Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co. and Port of Oakland.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Receipt of scrap metal by barge.		
Depth Alongside (feet): 31		Latitude (decimal): 37.795278
Total Berthing Space (feet): 500		Longitude (decimal): -122.2894
Waterway: <b>Inner Harbor Channel</b>		
Mile: PWD: 15		
Name: <b>Schnitzer Steel Products Co., Bulkhead Wharf.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Adeline and Chestnut Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co. and Port of Oakland.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Receipt of scrap metal by barge.		
Depth Alongside (feet): 31		Latitude (decimal): 37.795278
Total Berthing Space (feet): 500		Longitude (decimal): -122.2894
Remarks: -□□		

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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Remarks: -□□

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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Remarks: -□□

Port Series: 31	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82280	San Francisco District
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## Port Facilities by Waterway

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Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 13
Name: <b>Schnitzer Steel Products, 7th Street Pier.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Shipment of ferrous scrap metal.		
Depth Alongside (feet): 36		Latitude (decimal): 37.793889
Total Berthing Space (feet): 875		Longitude (decimal): -122.2925

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Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 13
Name: <b>Schnitzer Steel Products, 7th Street Pier.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Shipment of ferrous scrap metal.		
Depth Alongside (feet): 36		Latitude (decimal): 37.793889
Total Berthing Space (feet): 875		Longitude (decimal): -122.2925

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Waterway: <b>Inner Harbor Channel</b>	Mile:	PWD: 13
Name: <b>Schnitzer Steel Products, 7th Street Pier.</b>		
Port: Oakland		
Location: North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum: MLLW
Operator: Schnitzer Steel Products Co.		
Owner: Schnitzer Steel Products Co.		
Address: 1101 Embarcadero West.		Phone: 510-444-3919
Town: Oakland	State: CA	County: Alameda
Railway Connection: Trackage serving yard at rear connects with Union Pacific Railroad.		
Purpose: Shipment of ferrous scrap metal.		
Depth Alongside (feet): 36		Latitude (decimal): 37.793889
Total Berthing Space (feet): 875		Longitude (decimal): -122.2925

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Remarks: Scrap metal processing plant and 33 acres of open storage area are located in rear of pier and Ref. Nos. 14 and 15. Vessels at berth breast against adjacent pier (Ref. No. 14).

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Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82280	San Francisco District
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Remarks: Scrap metal processing plant and 33 acres of open storage area are located in rear of pier and Ref. Nos. 14 and 15. Vessels at berth breast against adjacent pier (Ref. No. 14).

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Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82280	San Francisco District
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## Port Facilities by Waterway

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Remarks: Scrap metal processing plant and 33 acres of open storage area are located in rear of pier and Ref. Nos. 14 and 15. Vessels at berth breast against adjacent pier (Ref. No. 14).

Port Series: 31      Year of Last Survey: 2000      Corps of Engrs Waterway Code: 82280      San Francisco District

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## Port Facilities by Waterway

Waterway:	<b>Inner Harbor Channel</b>		Mile:	PWD: 13
Name:	<b>Schnitzer Steel Products, 7th Street Pier.</b>			
Port:	Oakland			
Location:	North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum:	MLLW
Operator:	Schnitzer Steel Products Co.			
Owner:	Schnitzer Steel Products Co.			
Address:	1101 Embarcadero West.		Phone:	510-444-3919
Town:	Oakland	State:	CA	County: Alameda
Railway Connection:	Trackage serving yard at rear connects with Union Pacific Railroad.			
Purpose:	Shipment of ferrous scrap metal.			
Depth Alongside (feet):	36			Latitude (decimal): 37.793889
Total Berthing Space (feet):	875			Longitude (decimal): -122.2925
Waterway:	<b>Inner Harbor Channel</b>		Mile:	PWD: 13
Name:	<b>Schnitzer Steel Products, 7th Street Pier.</b>			
Port:	Oakland			
Location:	North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum:	MLLW
Operator:	Schnitzer Steel Products Co.			
Owner:	Schnitzer Steel Products Co.			
Address:	1101 Embarcadero West.		Phone:	510-444-3919
Town:	Oakland	State:	CA	County: Alameda
Railway Connection:	Trackage serving yard at rear connects with Union Pacific Railroad.			
Purpose:	Shipment of ferrous scrap metal.			
Depth Alongside (feet):	36			Latitude (decimal): 37.793889
Total Berthing Space (feet):	875			Longitude (decimal): -122.2925
Waterway:	<b>Inner Harbor Channel</b>		Mile:	PWD: 13
Name:	<b>Schnitzer Steel Products, 7th Street Pier.</b>			
Port:	Oakland			
Location:	North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum:	MLLW
Operator:	Schnitzer Steel Products Co.			
Owner:	Schnitzer Steel Products Co.			
Address:	1101 Embarcadero West.		Phone:	510-444-3919
Town:	Oakland	State:	CA	County: Alameda
Railway Connection:	Trackage serving yard at rear connects with Union Pacific Railroad.			
Purpose:	Shipment of ferrous scrap metal.			
Depth Alongside (feet):	36			Latitude (decimal): 37.793889
Total Berthing Space (feet):	875			Longitude (decimal): -122.2925
Remarks:	Scrap metal processing plant and 33 acres of open storage area are located in rear of pier and Ref. Nos. 14 and 15. Vessels at berth breast against adjacent pier (Ref. No. 14).			
Port Series:	31	Year of Last Survey:	2000	Corps of Engns Waterway Code: 82280 San Francisco District
Remarks:	Scrap metal processing plant and 33 acres of open storage area are located in rear of pier and Ref. Nos. 14 and 15. Vessels at berth breast against adjacent pier (Ref. No. 14).			
Port Series:	31	Year of Last Survey:	2000	Corps of Engns Waterway Code: 82280 San Francisco District

## Port Facilities by Waterway

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Remarks: Scrap metal processing plant and 33 acres of open storage area are located in rear of pier and Ref. Nos. 14 and 15. Vessels at berth breast against adjacent pier (Ref. No. 14).

Port Series: 31      Year of Last Survey: 2000      Corps of Engrs Waterway Code: 82280      San Francisco District

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## Port Facilities by Waterway

Waterway:	<b>Inner Harbor Channel</b>		Mile:	PWD: 13
Name:	<b>Schnitzer Steel Products, 7th Street Pier.</b>			
Port:	Oakland			
Location:	North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum:	MLLW
Operator:	Schnitzer Steel Products Co.			
Owner:	Schnitzer Steel Products Co.			
Address:	1101 Embarcadero West.		Phone:	510-444-3919
Town:	Oakland	State:	CA	County: Alameda
Railway Connection:	Trackage serving yard at rear connects with Union Pacific Railroad.			
Purpose:	Shipment of ferrous scrap metal.			
Depth Alongside (feet):	36			Latitude (decimal): 37.793889
Total Berthing Space (feet):	875			Longitude (decimal): -122.2925
Waterway:	<b>Inner Harbor Channel</b>		Mile:	PWD: 13
Name:	<b>Schnitzer Steel Products, 7th Street Pier.</b>			
Port:	Oakland			
Location:	North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum:	MLLW
Operator:	Schnitzer Steel Products Co.			
Owner:	Schnitzer Steel Products Co.			
Address:	1101 Embarcadero West.		Phone:	510-444-3919
Town:	Oakland	State:	CA	County: Alameda
Railway Connection:	Trackage serving yard at rear connects with Union Pacific Railroad.			
Purpose:	Shipment of ferrous scrap metal.			
Depth Alongside (feet):	36			Latitude (decimal): 37.793889
Total Berthing Space (feet):	875			Longitude (decimal): -122.2925
Waterway:	<b>Inner Harbor Channel</b>		Mile:	PWD: 13
Name:	<b>Schnitzer Steel Products, 7th Street Pier.</b>			
Port:	Oakland			
Location:	North side, Inner Harbor Channel, between foot of Magnolia and Adeline Streets extended.		Datum:	MLLW
Operator:	Schnitzer Steel Products Co.			
Owner:	Schnitzer Steel Products Co.			
Address:	1101 Embarcadero West.		Phone:	510-444-3919
Town:	Oakland	State:	CA	County: Alameda
Railway Connection:	Trackage serving yard at rear connects with Union Pacific Railroad.			
Purpose:	Shipment of ferrous scrap metal.			
Depth Alongside (feet):	36			Latitude (decimal): 37.793889
Total Berthing Space (feet):	875			Longitude (decimal): -122.2925
Remarks:	Scrap metal processing plant and 33 acres of open storage area are located in rear of pier and Ref. Nos. 14 and 15. Vessels at berth breast against adjacent pier (Ref. No. 14).			
Port Series:	31	Year of Last Survey:	2000	Corps of Engnrs Waterway Code: 82280 San Francisco District
Remarks:	Scrap metal processing plant and 33 acres of open storage area are located in rear of pier and Ref. Nos. 14 and 15. Vessels at berth breast against adjacent pier (Ref. No. 14).			
Port Series:	31	Year of Last Survey:	2000	Corps of Engnrs Waterway Code: 82280 San Francisco District

## Port Facilities by Waterway

Remarks: Scrap metal processing plant and 33 acres of open storage area are located in rear of pier and Ref. Nos. 14 and 15. Vessels at berth breast against adjacent pier (Ref. No. 14).

Port Series: 31      Year of Last Survey: 2000      Corps of Engns Waterway Code: 82280      San Francisco District

Waterway: **Inner Harbor Channel**      Mile:      PWD: 39  
 Name: **Shore Terminals, Richmond Wharf.**  
 Port: Richmond  
 Location: North side of junction of Inner Harbor Channel and Santa Fe Channel.      Datum: MLLW  
 Operator: Shore Terminals LLC.  
 Owner: Shore Terminals LLC.  
 Address: 488 Wright Avenue.      Phone: 510-232-7447  
 Town: Richmond      State: CA      County: Contra Costa  
 Railway Connection: One 3 car capacity surface track serving tank car loading rack at west side of terminal connects with Parr Terminal Railroad, Burlington Northern Santa Fe Railway, and Union Pacific Railroad.  
 Purpose: Receipt and shipment of petroleum products.  
 Depth Alongside (feet): 33      |      |      Latitude (decimal): 37.918056  
 Total Berthing Space (feet): 700      |      |      Longitude (decimal): -122.3642  
 Remarks: Five 10- and one 8-inch pipelines extend from wharf to 25 steel storage tanks, total capacity 618,000 barrels. □

Port Series: 31      Year of Last Survey: 2000      Corps of Engns Waterway Code: 82300      San Francisco District

Waterway: **Inner Harbor Channel**      Mile:      PWD: 49  
 Name: **Tosco Refining Co., Richmond Barge Wharf.**  
 Port: Richmond  
 Location: Right bank, Inner Harbor Channel, south of entrance to Santa Fe Channel.      Datum: MLLW  
 Operator: Tosco Refining Co.  
 Owner: Tosco Refining Co., A Division of Tosco Corp.  
 Address: 1300 Canal Boulevard.      Phone: 510-412-7612  
 Town: Richmond      State: CA      County: Contra Costa  
 Railway Connection: Tracks serving loading racks and warehouse at plant in rear connect with Burlington Northern Santa Fe Railway.  
 Purpose: Shipment and occasional receipt of petroleum products; loading barges for bunkering vessels at berth.  
 Depth Alongside (feet): 37      |      |      Latitude (decimal): 37.916111  
 Total Berthing Space (feet): 836      |      |      Longitude (decimal): -122.3656  
 Remarks: One 6-inch pipeline extends from wharf to one 5,000-barrel-capacity slop tank at rear. Ten 6-inch pipelines extend to storage tanks described under Ref. No. 50. Terminal is connected by pipeline with company-owned refinery at Rodeo, California. (See Ref. No. 63 in the Carquinez Strait section of this report.)

Port Series: 31      Year of Last Survey: 2000      Corps of Engns Waterway Code: 82300      San Francisco District

## Port Facilities by Waterway

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Waterway: **Inner Harbor Channel** Mile: PWD: 50

Name: **Tosco Refining Co., Richmond Tanker Wharf.**

Port: Richmond

Location: Right bank, Inner Harbor Channel, approximately 0.1 mile below entrance to Santa Fe Channel. Datum: MLLW

Operator: Tosco Refining Co. and GATX Terminals Corp.

Owner: Tosco Refining Co., A Division of Tosco Corp.

Address: 1300 Canal Boulevard. Phone: 510-412-8810

Town: Richmond State: CA County: Contra Costa

Railway Connection: Tracks serving loading racks, and warehouse at plant in rear; connect with Burlington Northern Santa Fe Railway.

Purpose: Receipt and shipment of petroleum products and liquid bulk products including solvents, vegetable oils, coconut oil, and caustic soda.

Depth Alongside (feet): 37 | | Latitude (decimal): 37.915

Total Berthing Space (feet): 836 | | Longitude (decimal): -122.3653

Remarks: Wharf connected to Barge Wharf (Ref. No. 49) by walkway. Tosco Refining Co.: two 10- and six 8-inch pipelines extend from wharf to 82 steel storage tanks located at rear, total capacity 237,300 barrels. GATX Terminals Corp.: six 8- and sixteen 6-inch pipelines extend from wharf to 135 steel storage tanks located at rear, total capacity 620,000 barrels. Facility is operated as a public liquid bulk terminal.

Port Series: 31 Year of Last Survey: 2000 Corps of Eng'rs Waterway Code: 82300 San Francisco District

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Waterway: **Inner Harbor Channel** Mile: PWD: 29

Name: **United States Coast Guard, Integrated Support Command Alameda Wharf**

Port: Alameda

Location: Southwest side of U.S. Coast Guard Island, Inner Harbor Channel. Datum: MLLW

Operator: United States Coast Guard.

Owner: U. S. Government.

Address: Coast Guard Island. Phone: 510-437-3285

Town: Alameda State: CA County: Alameda

Railway Connection: None.

Purpose: Mooring U.S. Coast Guard cutters and other floating equipment.

Depth Alongside (feet): 29 | | Latitude (decimal): 37.779722

Total Berthing Space (feet): 1,330 | | Longitude (decimal): -122.2486

Remarks: U.S. Coast Guard Cutters 'WHEC Boutwell', 'WHEC Munro', 'WHEC Morgenthau', and 'WHEC Sherman' are based at wharf. □

Port Series: 31 Year of Last Survey: 2000 Corps of Eng'rs Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Inner Harbor, Brooklyn Basin** Mile: PWD: 22  
 Name: **Port of Oakland, Livingston Street Pier.**  
 Port: Oakland  
 Location: Inner Harbor, north side of Brooklyn Basin, foot of Livingston Street. Datum: MLLW  
 Operator: Vortex Diving, Inc.  
 Owner: Port of Oakland.  
 Address: 1995 Embarcadero. Phone: 510-865-8666  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Mooring company-owned floating equipment; handling construction supplies and equipment.  
 Depth Alongside (feet): 12 - 14 | 0 - 12 | 0 - 12 Latitude (decimal): 37.78  
 Total Berthing Space (feet): 124 | - | 260 Longitude (decimal): -122.2433  
 Remarks: Operator engages in marine construction and commercial diving.□□  
 Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82280 San Francisco District

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Waterway: **Lauritzen Channel** Mile: PWD: 41  
 Name: **Manson Construction Co., Richmond Mooring.**  
 Port: Richmond  
 Location: Inner end, west side of Lauritzen Canal. Datum: MLLW  
 Operator: Manson Construction Co.  
 Owner: Jim Peterson and Manson Construction Co.  
 Address: 200 Cutting Boulevard. Phone: 510-232-6319  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Mooring company-owned floating equipment.  
 Depth Alongside (feet): 10 - 15 | | Latitude (decimal): 37.924167  
 Total Berthing Space (feet): 200 | | Longitude (decimal): -122.3672  
 Waterway: **Lauritzen Channel** Mile: PWD: 41  
 Name: **Manson Construction Co., Richmond Mooring.**  
 Port: Richmond  
 Location: Inner end, west side of Lauritzen Canal. Datum: MLLW  
 Operator: Manson Construction Co.  
 Owner: Jim Peterson and Manson Construction Co.  
 Address: 200 Cutting Boulevard. Phone: 510-232-6319  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Mooring company-owned floating equipment.  
 Depth Alongside (feet): 10 - 15 | | Latitude (decimal): 37.924167  
 Total Berthing Space (feet): 200 | | Longitude (decimal): -122.3672  
 Remarks: -□□

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Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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Remarks: -□□

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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## Port Facilities by Waterway

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Waterway: <b>Lauritzen Channel</b>	Mile:	PWD: 41
Name: <b>Manson Construction Co., Richmond Mooring.</b>		
Port: Richmond		
Location: Inner end, west side of Lauritzen Canal.	Datum: MLLW	
Operator: Manson Construction Co.		
Owner: Jim Peterson and Manson Construction Co.		
Address: 200 Cutting Boulevard.	Phone: 510-232-6319	
Town: Richmond	County: Contra Costa	
State: CA		
Railway Connection: None.		
Purpose: Mooring company-owned floating equipment.		
Depth Alongside (feet): 10 - 15	Latitude (decimal): 37.924167	
Total Berthing Space (feet): 200	Longitude (decimal): -122.3672	
Waterway: <b>Lauritzen Channel</b>		
Mile: PWD: 41		
Name: <b>Manson Construction Co., Richmond Mooring.</b>		
Port: Richmond		
Location: Inner end, west side of Lauritzen Canal.	Datum: MLLW	
Operator: Manson Construction Co.		
Owner: Jim Peterson and Manson Construction Co.		
Address: 200 Cutting Boulevard.	Phone: 510-232-6319	
Town: Richmond	County: Contra Costa	
State: CA		
Railway Connection: None.		
Purpose: Mooring company-owned floating equipment.		
Depth Alongside (feet): 10 - 15	Latitude (decimal): 37.924167	
Total Berthing Space (feet): 200	Longitude (decimal): -122.3672	
Remarks: -□□		
Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82300 San Francisco District

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Remarks: -□□

Port Series: 31      Year of Last Survey: 2000      Corps of Engnrs Waterway Code: 82300      San Francisco District

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## Port Facilities by Waterway

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Waterway: <b>Lauritzen Channel</b>	Mile:	PWD: 42
Name: <b>Manson Construction Co., Richmond Wharf.</b>		
Port: Richmond		
Location: West side, Lauritzen Canal, approximately 500 feet above entrance.	Datum: MLLW	
Operator: Manson Construction Co.		
Owner: Jim Peterson and Manson Construction Co.		
Address: 200 Cutting Boulevard.	Phone: 510-232-6319	
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Mooring company-owned floating equipment; handling construction materials, supplies, and equipment.		
Depth Alongside (feet): 15 - 20	Latitude (decimal): 37.922778	
Total Berthing Space (feet): 640	Longitude (decimal): -122.3675	
Waterway: <b>Lauritzen Channel</b>	Mile:	PWD: 42
Name: <b>Manson Construction Co., Richmond Wharf.</b>		
Port: Richmond		
Location: West side, Lauritzen Canal, approximately 500 feet above entrance.	Datum: MLLW	
Operator: Manson Construction Co.		
Owner: Jim Peterson and Manson Construction Co.		
Address: 200 Cutting Boulevard.	Phone: 510-232-6319	
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: None.		
Purpose: Mooring company-owned floating equipment; handling construction materials, supplies, and equipment.		
Depth Alongside (feet): 15 - 20	Latitude (decimal): 37.922778	
Total Berthing Space (feet): 640	Longitude (decimal): -122.3675	
Remarks: Contractor's storage yard is located at rear. □ □		
Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82300 San Francisco District

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Remarks: Contractor's storage yard is located at rear. □ □

Port Series: 31      Year of Last Survey: 2000      Corps of Engnrs Waterway Code: 82300      San Francisco District

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## Port Facilities by Waterway

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Waterway: **Lauritzen Channel** Mile: PWD: 42

Name: **Manson Construction Co., Richmond Wharf.**

Port: Richmond

Location: West side, Lauritzen Canal, approximately 500 feet above entrance. Datum: MLLW

Operator: Manson Construction Co.

Owner: Jim Peterson and Manson Construction Co.

Address: 200 Cutting Boulevard. Phone: 510-232-6319

Town: Richmond State: CA County: Contra Costa

Railway Connection: None.

Purpose: Mooring company-owned floating equipment; handling construction materials, supplies, and equipment.

Depth Alongside (feet): 15 - 20 | | Latitude (decimal): 37.922778

Total Berthing Space (feet): 640 | | Longitude (decimal): -122.3675

Waterway: **Lauritzen Channel** Mile: PWD: 42

Name: **Manson Construction Co., Richmond Wharf.**

Port: Richmond

Location: West side, Lauritzen Canal, approximately 500 feet above entrance. Datum: MLLW

Operator: Manson Construction Co.

Owner: Jim Peterson and Manson Construction Co.

Address: 200 Cutting Boulevard. Phone: 510-232-6319

Town: Richmond State: CA County: Contra Costa

Railway Connection: None.

Purpose: Mooring company-owned floating equipment; handling construction materials, supplies, and equipment.

Depth Alongside (feet): 15 - 20 | | Latitude (decimal): 37.922778

Total Berthing Space (feet): 640 | | Longitude (decimal): -122.3675

Remarks: Contractor's storage yard is located at rear.□□

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82300 San Francisco District

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Remarks: Contractor's storage yard is located at rear.□□

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82300 San Francisco District

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Waterway: **Mare Island Strait** Mile: PWD: 80

Name: **Blue and Gold Fleet, Vallejo Ferry Landing.**

Port: Carquinez Strait

Location: Vallejo, east side, Mare Island Strait, foot of Georgia Street extended. Datum: MLLW

Operator: Blue and Gold Fleet LP.

Owner: City of Vallejo.

Address: Phone: 707-643-3779

Town: Vallejo State: CA County: Solano

Railway Connection: None.

Purpose: Landing for passenger ferries serving San Francisco.

Depth Alongside (feet): 6 | | Latitude (decimal): 38.1

Total Berthing Space (feet): 90 | | Longitude (decimal): -122.2628

Remarks: Concrete bulkhead is 700 + 600 feet long on southeast side, and 1,280 feet long on northwest side.  
 Passenger ferries operate daily across San Francisco Bay to San Francisco Ferry Building and Fisherman's Wharf (Pier 41). Parking lot is located on opposite side of Mare Island Way.

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82310 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Mare Island Strait** Mile: PWD: 79  
 Name: **Kiewit Pacific Co., Vallejo Wharf.**  
 Port: Carquinez Strait  
 Location: Vallejo, east side, Mare Island Strait, foot of Chestnut Street extended. Datum: MLLW  
 Operator: Not operated.  
 Owner: City of Vallejo.  
 Address: Phone:  
 Town: Vallejo State: CA County: Solano  
 Railway Connection: One surface track in rear connects with Union Pacific Railroad.  
 Purpose: Not used.  
 Depth Alongside (feet): 10 | | Latitude (decimal): 38.090556  
 Total Berthing Space (feet): 250 | | Longitude (decimal): -122.2528  
 Remarks: Wharf was formerly used for handling marine contractor's supplies and equipment.□

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Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82310 San Francisco District

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Waterway: **Oakland Outer Harbor** Mile: PWD: 2  
 Name: **Port of Oakland, Bay Bridge Terminal, Berths 8, 9 and 10.**  
 Port: Oakland  
 Location: North and east sides at inner end of Oakland Outer Harbor. Datum: MLLW  
 Operator: Amnav Maritime Services; Westar Marine Services; and Port of Oakland.  
 Owner: Port of Oakland.  
 Address: Phone: 510-627-1450  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: One surface track at rear connects with Oakland Terminal Railway, Union Pacific Railroad, and Burlington Northern Santa Fe Railway.  
 Purpose: Berth 8: Mooring company-owned vessels; mooring vessels.□ Berth 10: Dredge material holding ponds.  
 Depth Alongside (feet): 35 | 35 | - Latitude (decimal): 37.821667  
 Total Berthing Space (feet): 1,000 | 1,200 | 839 Longitude (decimal): -122.31  
 Remarks: -□□

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Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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Waterway: **Oakland Outer Harbor** Mile: PWD: 9  
 Name: **Port of Oakland, Ben E. Nutter Container Terminal, Berths 35, 37,**  
 Port: Oakland  
 Location: Outer end, northerly side of Seventh Street Marine Terminal. Datum: MLLW  
 Operator: Marine Terminals Corp.  
 Owner: Port of Oakland.  
 Address: 5190 Seventh Street. Phone: 510-645-2402  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Receipt and shipment of containerized general cargo.  
 Depth Alongside (feet): 42 | 38 | Latitude (decimal): 37.807222  
 Total Berthing Space (feet): 2,351 | 862 | Longitude (decimal): -122.3397  
 Remarks: Terminal occupies 58 acres, including 330 outlets for refrigerated cargo containers.□

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Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District



## Port Facilities by Waterway

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Waterway: **Oakland Outer Harbor** Mile: PWD: 1

Name: **Port of Oakland, Burma Road Terminal, Berth 7.**

Port: Oakland

Location: North side at inner end of Oakland Outer Harbor. Datum: MLLW

Operator: Marine Terminals Corp.

Owner: Port of Oakland.

Address: 220 Burma Road. Phone: 510-645-1457

Town: Oakland State: CA County: Alameda

Railway Connection: One surface track at rear of transit shed connects with Oakland Terminal Railway, Union Pacific Railroad, and Burlington Northern Santa Fe Railway.

Purpose: Receipt and shipment of break bulk general cargo, including steel products, roll-on/roll-off cargo, and heavy lift items.

Depth Alongside (feet): 35 | | Latitude (decimal): 37.82

Total Berthing Space (feet): 1,459 | | Longitude (decimal): -122.3175

Remarks: Terminal occupies 29 acres. □ □

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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Waterway: **Oakland Outer Harbor** Mile: PWD: 4

Name: **Port of Oakland, Outer Harbor Container Terminal, Berth 23.**

Port: Oakland

Location: Southeasterly Oakland Outer Harbor, northeast of foot of Pier Street. Datum: MLLW

Operator: Yusen Terminals, Inc.

Owner: Port of Oakland.

Address: 1195 Maritime Street. Phone: 510-763-1080

Town: Oakland State: CA County: Alameda

Railway Connection: One surface track on rear apron connects with Oakland Terminal Railway, Union Pacific Railroad, and Burlington Northern Santa Fe Railway.

Purpose: Receipt and shipment of containerized general cargo.

Depth Alongside (feet): 42 | | Latitude (decimal): 37.817222

Total Berthing Space (feet): 900 | | Longitude (decimal): -122.3156

Remarks: Face of wharf is in line and contiguous with Ref. Nos. 3 and 5. Terminal occupies 46 acres, including 256 positions for refrigerated cargo containers. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Oakland Outer Harbor** Mile: PWD: 5  
 Name: **Port of Oakland, Outer Harbor Container Terminal, Berth 24.**  
 Port: Oakland  
 Location: Southeast side, Oakland Outer Harbor, between foot of Petroleum and Pier Streets Datum: MLLW extended.  
 Operator: Maersk Pacific, Ltd.  
 Owner: Port of Oakland.  
 Address: Phone: 510-835-7500/75  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: One surface track at rear apron connects with Oakland Terminal Railway, Union Pacific Railroad, and Burlington Northern Santa Fe Railway.  
 Purpose: Receipt and shipment of containerized general cargo.  
 Depth Alongside (feet): 42 | | Latitude (decimal): 37.814722  
 Total Berthing Space (feet): 1,261 | | Longitude (decimal): -122.3178  
 Remarks: Face of wharf is in line and contiguous with Ref. Nos. 4 and 6. Terminal occupies 57 acres, including 261 positions for refrigerated cargo containers. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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Waterway: **Oakland Outer Harbor** Mile: PWD: 7  
 Name: **Port of Oakland, Outer Harbor Container Terminal, Berth 30.**  
 Port: Oakland  
 Location: Outer Harbor, foot of 7th Street. Datum: MLLW  
 Operator: Trans Pacific Container Service Corp.  
 Owner: Port of Oakland.  
 Address: 2800 Seventh Street. Phone: 510-286-8600/86  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: Surface track on apron connects with Oakland Terminal Railway, Union Pacific Railroad, and Burlington Northern Santa Fe Railway.  
 Purpose: Receipt and shipment of containerized general cargo.  
 Depth Alongside (feet): 42 | | Latitude (decimal): 37.810278  
 Total Berthing Space (feet): 1,075 | | Longitude (decimal): -122.3253  
 Remarks: Terminal occupies 33 acres including 282 outlets for refrigerated cargo containers. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Oakland Outer Harbor** Mile: PWD: 3  
 Name: **Port of Oakland, Outer Harbor Container Terminal, Berths 20-21 and**  
 Port: Oakland  
 Location: South side, inner end of Oakland Outer Harbor. Datum: MLLW  
 Operator: Maersk Pacific, Ltd.  
 Owner: Port of Oakland.  
 Address: 1425 Maritime Street. Phone: 510-271-1018  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Receipt and shipment of containerized general cargo.  
 Depth Alongside (feet): 42 | | Latitude (decimal): 37.819167  
 Total Berthing Space (feet): 1,355 | | Longitude (decimal): -122.3108  
 Remarks: Face of wharf (Berth 22) is in line and contiguous with Ref. No. 4. Terminal occupies 59 acres, including 362 positions for refrigerated cargo containers. □

Port Series: 31 Year of Last Survey: 2000 Corps of Eng'rs Waterway Code: 82280 San Francisco District

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Waterway: **Oakland Outer Harbor** Mile: PWD: 6  
 Name: **Port of Oakland, Outer Harbor Container Terminal, Berths 25 and 26**  
 Port: Oakland  
 Location: Southeast side, Oakland Outer Harbor, between foot of Petroleum and Ferry Streets Datum: MLLW extended.  
 Operator: TransBay Container Terminal Company.  
 Owner: Port of Oakland.  
 Address: 2500 Seventh Street. Phone: 510-839-8228 ex  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: Surface track at rear of storage area connects with Oakland Terminal Railway, Union Pacific Railroad, and Burlington Northern Santa Fe Railway (Berth 25 only).  
 Purpose: Receipt and shipment of containerized general cargo.  
 Depth Alongside (feet): 42 | | Latitude (decimal): 37.811944  
 Total Berthing Space (feet): 1,138 | | Longitude (decimal): -122.3208  
 Remarks: Face of wharf is in line and contiguous with Ref. No. 5. Terminal occupies 40 acres, including 288 positions for refrigerated cargo containers. □

Port Series: 31 Year of Last Survey: 2000 Corps of Eng'rs Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Oakland Outer Harbor** Mile: PWD: 8  
 Name: **Port of Oakland, Outer Harbor Container Terminal, Berths 32, 33, a**  
 Port: Oakland  
 Location: Inner end, northerly side of Seventh Street Marine Terminal. Datum: MLLW  
 Operator: Stevedoring Services of America Terminals.  
 Owner: Port of Oakland.  
 Address: 3050 Seventh Street. Phone: 510-271-9710/98  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: Surface track on Berths 32 and 33 apron, and one serving CFS, connect with Oakland Terminal Railway, Union Pacific Railroad, and Burlington Northern Santa Fe Railway.  
 Purpose: Berths 32 and 33: Receipt and shipment of containerized and heavy lift general cargo. Berth 34: Receipt and shipment of roll-on/roll-off cargo.  
 Depth Alongside (feet): 38 | - | 38 Latitude (decimal): 37.810833  
 Total Berthing Space (feet): 1,761 | - | 720 Longitude (decimal): -122.3314  
 Remarks: Terminal occupies 65 acres including 386 outlets for refrigerated cargo containers. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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Waterway: **Oakland South Outer Harbor** Mile: PWD: 10  
 Name: **Port of Oakland, Seventh Street Marine Terminal, Berth 40.**  
 Port: Oakland  
 Location: Outer end, northwest side, Oakland South Outer Harbor. Datum: MLLW  
 Operator: Oscar Niemeth Towing, Inc.  
 Owner: Port of Oakland.  
 Address: 4001 Seventh Street. Phone: 510-893-0231  
 Town: Oakland State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Mooring company-owned floating equipment.  
 Depth Alongside (feet): 35 | | Latitude (decimal): 37.805556  
 Total Berthing Space (feet): 440 | | Longitude (decimal): -122.3319  
 Remarks: A 160- by 40-foot deck barge is normally moored at face. Dispatch office is located at rear. Plans called for the operator to move to a new facility in 2001.

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: <b>Outer Harbor Channel</b>	Mile:	PWD: 60
Name: <b>Chevron Products Co., Richmond Long Wharf Mooring Dock.</b>		
Port: Richmond		
Location: Richmond Outer Harbor, on southeast side of Long Wharf (Ref. No. 59) approach, 275 feet in rear of face		Datum: MLLW
Operator: Chevron Products Co.		
Owner: Chevron Products Co.		
Address: 841 Chevron Way.		Phone: 510-242-3308
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: Tracks serving terminal at rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Mooring tugs.		
Depth Alongside (feet):	15   15   15	Latitude (decimal): 37.921667
Total Berthing Space (feet):	451   53   425	Longitude (decimal): -122.4083
Waterway: <b>Outer Harbor Channel</b>		
Mile: PWD: 60		
Name: <b>Chevron Products Co., Richmond Long Wharf Mooring Dock.</b>		
Port: Richmond		
Location: Richmond Outer Harbor, on southeast side of Long Wharf (Ref. No. 59) approach, 275 feet in rear of face		Datum: MLLW
Operator: Chevron Products Co.		
Owner: Chevron Products Co.		
Address: 841 Chevron Way.		Phone: 510-242-3308
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: Tracks serving terminal at rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Mooring tugs.		
Depth Alongside (feet):	15   15   15	Latitude (decimal): 37.921667
Total Berthing Space (feet):	451   53   425	Longitude (decimal): -122.4083
Remarks: Buildings located along the main wharf approach contain offices.□□		
Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82300 San Francisco District

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Remarks: Buildings located along the main wharf approach contain offices.□□

Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82300	San Francisco District
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## Port Facilities by Waterway

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Waterway: <b>Outer Harbor Channel</b>	Mile:	PWD: 60
Name: <b>Chevron Products Co., Richmond Long Wharf Mooring Dock.</b>		
Port: Richmond		
Location: Richmond Outer Harbor, on southeast side of Long Wharf (Ref. No. 59) approach, 275 feet in rear of face		Datum: MLLW
Operator: Chevron Products Co.		
Owner: Chevron Products Co.		
Address: 841 Chevron Way.		Phone: 510-242-3308
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: Tracks serving terminal at rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Mooring tugs.		
Depth Alongside (feet):	15   15   15	Latitude (decimal): 37.921667
Total Berthing Space (feet):	451   53   425	Longitude (decimal): -122.4083
Waterway: <b>Outer Harbor Channel</b>		
Mile: PWD: 60		
Name: <b>Chevron Products Co., Richmond Long Wharf Mooring Dock.</b>		
Port: Richmond		
Location: Richmond Outer Harbor, on southeast side of Long Wharf (Ref. No. 59) approach, 275 feet in rear of face		Datum: MLLW
Operator: Chevron Products Co.		
Owner: Chevron Products Co.		
Address: 841 Chevron Way.		Phone: 510-242-3308
Town: Richmond	State: CA	County: Contra Costa
Railway Connection: Tracks serving terminal at rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose: Mooring tugs.		
Depth Alongside (feet):	15   15   15	Latitude (decimal): 37.921667
Total Berthing Space (feet):	451   53   425	Longitude (decimal): -122.4083
Remarks: Buildings located along the main wharf approach contain offices.□□		
Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82300 San Francisco District

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Remarks: Buildings located along the main wharf approach contain offices.□□

Port Series: 31	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82300	San Francisco District
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## Port Facilities by Waterway

Waterway:	<b>Outer Harbor Channel</b>	Mile:	PWD: 59
Name:	<b>Chevron Products Co., Richmond Long Wharf.</b>		
Port:	Richmond		
Location:	Easterly side, Richmond Outer Harbor Maneuvering Area, approximately 0.8 mile south of Richmond-San Rafa		Datum: MLLW
Operator:	Chevron Products Co.		
Owner:	Chevron Products Co.		
Address:	841 Chevron Way.	Phone:	510-242-3308
Town:	Richmond	State:	CA
		County:	Contra Costa
Railway Connection:	Tracks serving terminal at rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose:	Receipt of crude oil; receipt and shipment of petroleum products; bunkering vessels; loading bunkering barges.		
Depth Alongside (feet):	40 - 50   20   20	Latitude (decimal):	37.921944
Total Berthing Space (feet):	3,065   630   1,660	Longitude (decimal):	-122.4108
Waterway:	<b>Outer Harbor Channel</b>	Mile:	PWD: 59
Name:	<b>Chevron Products Co., Richmond Long Wharf.</b>		
Port:	Richmond		
Location:	Easterly side, Richmond Outer Harbor Maneuvering Area, approximately 0.8 mile south of Richmond-San Rafa		Datum: MLLW
Operator:	Chevron Products Co.		
Owner:	Chevron Products Co.		
Address:	841 Chevron Way.	Phone:	510-242-3308
Town:	Richmond	State:	CA
		County:	Contra Costa
Railway Connection:	Tracks serving terminal at rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose:	Receipt of crude oil; receipt and shipment of petroleum products; bunkering vessels; loading bunkering barges.		
Depth Alongside (feet):	40 - 50   20   20	Latitude (decimal):	37.921944
Total Berthing Space (feet):	3,065   630   1,660	Longitude (decimal):	-122.4108
Remarks:	Tankers and barges berth at face, and barges at rear of face. One 36-, one 30-, two 16-, fourteen 12-, nine 8-, five 6-, and two 4-inch pipelines extend from wharf to approximately 350 steel storage tanks at refinery in rear; total capacity 20,280,000 barrels.		
Port Series: 31	Year of Last Survey: 2000	Corps of Engns Waterway Code: 82300	San Francisco District
Remarks:	Tankers and barges berth at face, and barges at rear of face. One 36-, one 30-, two 16-, fourteen 12-, nine 8-, five 6-, and two 4-inch pipelines extend from wharf to approximately 350 steel storage tanks at refinery in rear; total capacity 20,280,000 barrels.		
Port Series: 31	Year of Last Survey: 2000	Corps of Engns Waterway Code: 82300	San Francisco District

## Port Facilities by Waterway

Waterway:	<b>Outer Harbor Channel</b>	Mile:	PWD: 59
Name:	<b>Chevron Products Co., Richmond Long Wharf.</b>		
Port:	Richmond		
Location:	Easterly side, Richmond Outer Harbor Maneuvering Area, approximately 0.8 mile south of Richmond-San Rafa		Datum: MLLW
Operator:	Chevron Products Co.		
Owner:	Chevron Products Co.		
Address:	841 Chevron Way.	Phone:	510-242-3308
Town:	Richmond	State:	CA
		County:	Contra Costa
Railway Connection:	Tracks serving terminal at rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose:	Receipt of crude oil; receipt and shipment of petroleum products; bunkering vessels; loading bunkering barges.		
Depth Alongside (feet):	40 - 50   20   20	Latitude (decimal):	37.921944
Total Berthing Space (feet):	3,065   630   1,660	Longitude (decimal):	-122.4108
Waterway:	<b>Outer Harbor Channel</b>	Mile:	PWD: 59
Name:	<b>Chevron Products Co., Richmond Long Wharf.</b>		
Port:	Richmond		
Location:	Easterly side, Richmond Outer Harbor Maneuvering Area, approximately 0.8 mile south of Richmond-San Rafa		Datum: MLLW
Operator:	Chevron Products Co.		
Owner:	Chevron Products Co.		
Address:	841 Chevron Way.	Phone:	510-242-3308
Town:	Richmond	State:	CA
		County:	Contra Costa
Railway Connection:	Tracks serving terminal at rear connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.		
Purpose:	Receipt of crude oil; receipt and shipment of petroleum products; bunkering vessels; loading bunkering barges.		
Depth Alongside (feet):	40 - 50   20   20	Latitude (decimal):	37.921944
Total Berthing Space (feet):	3,065   630   1,660	Longitude (decimal):	-122.4108
Remarks:	Tankers and barges berth at face, and barges at rear of face. One 36-, one 30-, two 16-, fourteen 12-, nine 8-, five 6-, and two 4-inch pipelines extend from wharf to approximately 350 steel storage tanks at refinery in rear; total capacity 20,280,000 barrels.		
Port Series:	31	Year of Last Survey:	2000
Corps of Engns	Waterway Code: 82300		
	San Francisco District		
Remarks:	Tankers and barges berth at face, and barges at rear of face. One 36-, one 30-, two 16-, fourteen 12-, nine 8-, five 6-, and two 4-inch pipelines extend from wharf to approximately 350 steel storage tanks at refinery in rear; total capacity 20,280,000 barrels.		
Port Series:	31	Year of Last Survey:	2000
Corps of Engns	Waterway Code: 82300		
	San Francisco District		



## Port Facilities by Waterway

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Waterway: **Redwood Creek** Mile: PWD: 51

Name: **Cargill Salt, Redwood City Wharf.**

Port: Redwood City

Location: Left bank, Boundary Slough at junction with Redwood Creek. Datum: MLLW

Operator: Cargill Salt, Division of Cargill, Inc.

Owner: Cargill Salt, Division of Cargill, Inc.

Address: 295 Seaport Boulevard. Phone: 510-790-8154

Town: Redwood City State: CA County: San Mateo

Railway Connection: None.

Purpose: Shipment of crude bulk salt by vessel and barge.

Depth Alongside (feet): 30 | | Latitude (decimal): 37.504444

Total Berthing Space (feet): 620 | | Longitude (decimal): -122.2153

Remarks: Open storage area located at rear has capacity for 500,000 tons of salt. □□

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82238 San Francisco District

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Waterway: **Redwood Creek** Mile: PWD: 52

Name: **Marine Science Institute, Redwood City Pier.**

Port: Redwood City

Location: Right bank, Redwood Creek, approximately 1,000 feet above junction with Boundary Slough. Datum: MLLW

Operator: Marine Science Institute.

Owner: Cargill Salt, Division of Cargill, Inc.

Address: 500 Discovery Parkway. Phone: 650-364-2760

Town: Redwood City State: CA County: San Mateo

Railway Connection: None.

Purpose: Mooring oceanographic research vessel.

Depth Alongside (feet): 7 | | Latitude (decimal): 37.505

Total Berthing Space (feet): 85 | | Longitude (decimal): -122.2186

Remarks: Research vessel Robert G. Brownlee is based at wharf. □□

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82238 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Redwood Creek** Mile: PWD: 48

Name: **Port of Redwood City, Wharf No. 3.**

Port: Redwood City

Location: Right bank, Redwood Creek, approximately 2.4 miles above mouth. Datum: MLLW

Operator: Simsmetal America; Bell Marine Co., Inc.; and Pabco Gypsum.

Owner: Port of Redwood City.

Address: Phone: 650-369-4161

Town: Redwood City State: CA County: San Mateo

Railway Connection: Two surface tracks along shore in rear connect with tracks of Union Pacific Railroad.

Purpose: Receipt of bauxite, mill scale, gypsum, and sand; shipment of scrap metal.

Depth Alongside (feet): 34 | | Latitude (decimal): 37.511667

Total Berthing Space (feet): 750 | | Longitude (decimal): -122.2111

Remarks: Dolphins are in line with face of adjacent Wharf No. 4 (Ref. No. 49), providing continuous berthing of 1,100 feet. □ Simsmetal America: Open storage area at rear has capacity for 50,000 tons of scrap metal. □ Pabco Gypsum: Approximately 2 acres of open storage area at rear have capacity for 60,000 tons of gypsum.

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82238 San Francisco District

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Waterway: **Redwood Creek** Mile: PWD: 49

Name: **Port of Redwood City, Wharf No. 4.**

Port: Redwood City

Location: Right bank, Redwood Creek, approximately 2.6 miles above mouth. Datum: MLLW

Operator: U.S. Geological Survey, Department of Interior.

Owner: Port of Redwood City.

Address: Phone:

Town: Redwood City State: CA County: San Mateo

Railway Connection: None.

Purpose: Mooring oceanographic research vessels.

Depth Alongside (feet): 34 | | Latitude (decimal): 37.509444

Total Berthing Space (feet): 400 | | Longitude (decimal): -122.2119

Remarks: Research and survey vessels are stationed at wharf. □ □

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82238 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Redwood Creek** Mile: PWD: 50  
 Name: **Port of Redwood City, Wharf No. 5.**  
 Port: Redwood City  
 Location: Right bank, Redwood Creek, approximately 2.8 miles above mouth. Datum: MLLW  
 Operator: Port of Redwood City.  
 Owner: Port of Redwood City.  
 Address: Phone: 650-306-4150  
 Town: Redwood City State: CA County: San Mateo  
 Railway Connection: One surface track serving open storage area at rear; connects with tracks of Union Pacific Railroad.  
 Purpose: Mooring cruise vessels; passengers.  
 Depth Alongside (feet): 34 | | Latitude (decimal): 37.506944  
 Total Berthing Space (feet): 500 | | Longitude (decimal): -122.2122  
 Remarks: Five 10-inch pipelines extending from wharf to 9 steel storage tanks at terminal in rear, total capacity 357,000 barrels, were not in use at time of survey (1999).  
 Port Series: 30 Year of Last Survey: 2000 Corps of Engnr's Waterway Code: 82238 San Francisco District

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Waterway: **Redwood Creek** Mile: PWD: 47  
 Name: **Port of Redwood City, Wharves Nos. 1 and 2.**  
 Port: Redwood City  
 Location: Right bank, Redwood Creek, approximately 2.3 miles above mouth. Datum: MLLW  
 Operator: Hanson Permanente Cement, Inc.; RMC Pacific Materials; and Bell Marine Co., Inc.  
 Owner: Port of Redwood City.  
 Address: Phone: 650-367-0188  
 Town: Redwood City State: CA County: San Mateo  
 Railway Connection: Surface track serving transit shed connects with tracks Union Pacific Railroad.  
 Purpose: Receipt of sand and bulk cement.  
 Depth Alongside (feet): 32 | | Latitude (decimal): 37.513056  
 Total Berthing Space (feet): 930 | | Longitude (decimal): -122.2097  
 Remarks: Hanson Permanente Cement, Inc.: Two 10-inch pneumatic pipelines extending from wharf to 6 cement storage silos and 3 interstices at rear, total capacity 10,960 tons, were not in use at time of survey (1999). RMC Pacific Materials: Two 12-inch pneumatic pipelines extend from wharf to 12 concrete silos with 6 interstices at rear, total capacity 58,000 tons, rate 250 tons per hour. Approximately 3 acres of open storage area with capacity for 25,000 tons of sand is located at rear. □ Bell Marine Co., Inc.: Open storage area located at rear has capacity for approximately 60,000 tons of sand. At time of survey (1999), plans called for the construction of a 70- by 40-foot concrete platform and four additional breasting dolphins to be located on lower side of wharf; platform will have one 130- by 25-foot approach; and for the installation of a new cement unloader having an 18-inch, covered, air slide conveyor extending to storage silos at rear, unloading rate 800 tons per hour.  
 Port Series: 30 Year of Last Survey: 2000 Corps of Engnr's Waterway Code: 82238 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 45  
 Name: **Allemand Brothers Boat Repair Pier.**  
 Port: San Francisco  
 Location: Southwest side, India Basin. Datum: MLLW  
 Operator: Allemand Brothers Boat Repair.  
 Owner: Allemand Brothers Boat Repair.  
 Address: Phone: 415-824-8597  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring small vessels for repair.  
 Depth Alongside (feet): 4 - 0 | | Latitude (decimal): 37.733056  
 Total Berthing Space (feet): 280 | | Longitude (decimal): -122.3744  
 Remarks: Two 50-ton marine railways are located adjacent to inner end of lower side of pier. □  
 Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 11  
 Name: **Blue and Gold Fleet, Pier No. 39, West Marina Excursion Boat Docks**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Stockton Street. Datum: MLLW  
 Operator: Blue and Gold Fleet LP.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-559-0217  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Landing for San Francisco Bay excursion boats.  
 Depth Alongside (feet): 9 - 10 | 9 - 10 | 9 - 10 Latitude (decimal): 37.808889  
 Total Berthing Space (feet): 85 | 70 | 180 Longitude (decimal): -122.4097  
 Remarks: Pier No. 39 has been withdrawn from maritime use. One 3-inch sewage line serves each berth. Plans call for the installation of a second steel float parallel to and west of existing steel float. Pacific Marine Yachts operates excursion vessels at marina located on east side of Pier No. 39. Forbes Island shuttle operates from east float.  
 Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 10  
 Name: **Blue and Gold Fleet, Pier No. 41 Ferry and Excursion Boat Docks.**  
 Port: San Francisco  
 Location: San Francisco Bay, east of foot of Powell Street. Datum: MLLW  
 Operator: Blue and Gold Fleet LP.  
 Owner: Blue and Gold Fleet LP.  
 Address: Phone: 415-559-0217  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Landing for excursion boats to Alcatraz Island; landing for passenger ferries serving Tiburon, Sausalito, Vallejo, Oakland/Alameda, and Angel Island.  
 Depth Alongside (feet): 12 - 15 | 12 - 15 | Latitude (decimal): 37.809444  
 Total Berthing Space (feet): 160 | 160 | Longitude (decimal): -122.4117  
 Remarks: Dispatch and ticket offices are located in building at rear. Approximately 12 vessels use landings at this dock, and landings at Pier No. 39 (P.W.D. Ref. No. 11) as required. Company-owned boats are fueled via fuel line from one 10,000 gallon steel storage tank at rear. One 3-inch sewer connection to city sewer line serves each berth.  
 Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 61  
 Name: **Chevron Products Co., Richmond Point Orient Wharf.**  
 Port: Richmond  
 Location: San Francisco Bay, Richmond Outer Harbor; Point Orient, approximately 1.8 miles north of Richmond-San Ra Datum: MLLW  
 Operator: Not operated.  
 Owner: Chevron Products Co.  
 Address: Phone: 510-242-3308  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Not used.  
 Depth Alongside (feet): 36 | 18 | 36 Latitude (decimal): 37.955556  
 Total Berthing Space (feet): 504 | 464 | 60, Longitude (decimal): -122.4283  
 Remarks: All pipelines have been disconnected at wharf. □ □  
 Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82300 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 6  
 Name: **Fisherman's Wharf, East Mooring Basin.**  
 Port: San Francisco  
 Location: San Francisco Bay, between foot of Jones and Taylor Streets extended. Datum: MLLW  
 Operator: Port of San Francisco.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0513  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Receipt of seafood (Wharf J-6); mooring fishing, sport fishing and excursion vessels.  
 Depth Alongside (feet): 12 | 8 - 12 | 12 Latitude (decimal): 37.808611  
 Total Berthing Space (feet): 28\* | 24\* | 25+ Longitude (decimal): -122.4156  
 Remarks: Old Wharf Smokehouse receives seafood at building on east side of of Wharf J-6. Entrance to basin is approximately 120 feet wide.□

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 4  
 Name: **Fisherman's Wharf, West Mooring Basin.**  
 Port: San Francisco  
 Location: San Francisco Bay, between foot of Hyde and Jones Streets extended. Datum: MLLW  
 Operator: Various operators (See Remarks.)  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0513  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Receipt of seafood; mooring fishing vessels.  
 Depth Alongside (feet): 14 | 12 - 14 | 12 Latitude (decimal): 37.808611  
 Total Berthing Space (feet): 391 | 26 | 40 Longitude (decimal): -122.4183  
 Remarks: California Shell Fish Co. and Alioto-Lazio Fish Co. have facilities for receiving and processing seafood on south side of the basin (Wharf J-10). Boat stalls are leased to individual vessel operators. Entrance to basin is approximately 85 feet wide.

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 5  
 Name: **Fisherman's Wharf, Wharf J-7.**  
 Port: San Francisco  
 Location: San Francisco Bay, between foot of Hyde and Jones Streets extended. Datum: MLLW  
 Operator: Port of San Francisco.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0513  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Receipt of seafood; mooring fishing vessels.  
 Depth Alongside (feet): 14 | | Latitude (decimal): 37.809167  
 Total Berthing Space (feet): 481 | | Longitude (decimal): -122.4178  
 Remarks: Scoma's, Inc. receives seafood at building on outer end of Wharf J-7.□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 62

Name: **Port of Richmond, Terminal No. 4 Wharf.**

Port: Richmond

Location: San Francisco Bay, Richmond Outer Harbor, Point San Pablo, approximately 2.1 miles north of Richmond-San Datum: MLLW

Operator: Paktank Corp.

Owner: City of Richmond.

Address: 2101 Western Drive. Phone: 510-233-0418

Town: Richmond State: CA County: Contra Costa

Railway Connection: Two surface tracks on north side of Western Avenue, one serving tank car loading racks; connect with Burlington Northern Santa Fe Railway and Union Pacific Railroad.

Purpose: Receipt and shipment of liquid bulk products, including petroleum products, petrochemicals, chemicals, and vegetable oils.

Depth Alongside (feet): 35 | | 32 Latitude (decimal): 37.963056

Total Berthing Space (feet): 1,047 | - | - Longitude (decimal): -122.4294

Remarks: One 12-, one 10-, seventeen 6-, and one 4-inch pipelines extend from wharf to 79 storage tanks located at rear, total capacity 504,500 barrels. Facility is operated as a public liquid bulk terminal.

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82300 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 44

Name: **Port of San Francisco Barge Mooring.**

Port: San Francisco

Location: San Francisco Bay, North side of India Basin. Datum: MLLW

Operator: Not operated.

Owner: Port of San Francisco.

Address: Phone: 415-274-0572

Town: San Francisco State: CA County: San Francisco

Railway Connection: One 400-foot, platform-level track at rear of transit shed joins additional terminal trackage; connect with tracks of Union Pacific Railroad.

Purpose: Not used.

Depth Alongside (feet): 6 | | Latitude (decimal): 37.739722

Total Berthing Space (feet): 1,500 | | Longitude (decimal): -122.3703

Remarks: Canopy extends 75 feet from transit shed covering apron and loading area. Adjacent lighted storage basin is formed by an angular, timber pile, timber-decked, wave absorber pier extending from, thence parallel to face.

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 23
Name: <b>Port of San Francisco Ferry Plaza Inner Ferry Landing.</b>		
Port: San Francisco		
Location: San Francisco Bay, foot of Market Street extended.		Datum: MLLW
Operator: Golden Gate Bridge, Highway and Transportation District, Ferry Division.		
Owner: Port of San Francisco.		
Address:		Phone: 415-925-5575/92
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Landing for passenger ferries serving Sausalito and Larkspur.		
Depth Alongside (feet): 15		Latitude (decimal): 37.795833
Total Berthing Space (feet): 142		Longitude (decimal): -122.3919
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 23
Name: <b>Port of San Francisco Ferry Plaza Inner Ferry Landing.</b>		
Port: San Francisco		
Location: San Francisco Bay, foot of Market Street extended.		Datum: MLLW
Operator: Golden Gate Bridge, Highway and Transportation District, Ferry Division.		
Owner: Port of San Francisco.		
Address:		Phone: 415-925-5575/92
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Landing for passenger ferries serving Sausalito and Larkspur.		
Depth Alongside (feet): 15		Latitude (decimal): 37.795833
Total Berthing Space (feet): 142		Longitude (decimal): -122.3919
Remarks: See Remarks, Ref. No. 22.□□		
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202 San Francisco District

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Remarks: See Remarks, Ref. No. 22.□□

Port Series: 30      Year of Last Survey: 2000      Corps of Engnrs Waterway Code: 82202      San Francisco District

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## Port Facilities by Waterway

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Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 23
Name: <b>Port of San Francisco Ferry Plaza Inner Ferry Landing.</b>		
Port: San Francisco		
Location: San Francisco Bay, foot of Market Street extended.		Datum: MLLW
Operator: Golden Gate Bridge, Highway and Transportation District, Ferry Division.		
Owner: Port of San Francisco.		
Address:		Phone: 415-925-5575/92
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Landing for passenger ferries serving Sausalito and Larkspur.		
Depth Alongside (feet): 15		Latitude (decimal): 37.795833
Total Berthing Space (feet): 142		Longitude (decimal): -122.3919
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 23
Name: <b>Port of San Francisco Ferry Plaza Inner Ferry Landing.</b>		
Port: San Francisco		
Location: San Francisco Bay, foot of Market Street extended.		Datum: MLLW
Operator: Golden Gate Bridge, Highway and Transportation District, Ferry Division.		
Owner: Port of San Francisco.		
Address:		Phone: 415-925-5575/92
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Landing for passenger ferries serving Sausalito and Larkspur.		
Depth Alongside (feet): 15		Latitude (decimal): 37.795833
Total Berthing Space (feet): 142		Longitude (decimal): -122.3919
Remarks: See Remarks, Ref. No. 22.□□		
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202 San Francisco District

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Remarks: See Remarks, Ref. No. 22.□□

Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District
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## Port Facilities by Waterway

Waterway:	San Francisco Bay			Mile:	PWD: 22
Name:	Port of San Francisco Ferry Plaza Outer Ferry Landing.				
Port:	San Francisco				
Location:	San Francisco Bay, foot of Market Street extended.			Datum: MLLW	
Operator:	Golden Gate Bridge, Highway and Transportation District, Ferry Division.				
Owner:	Port of San Francisco.				
Address:				Phone: 415-925-5575/92	
Town:	San Francisco	State:	CA	County: San Francisco	
Railway Connection:	None.				
Purpose:	Landing for passenger ferries serving Sausalito and Larkspur.				
Depth Alongside (feet):	15			Latitude (decimal): 37.796111	
Total Berthing Space (feet):	78			Longitude (decimal): -122.3917	
Waterway:	San Francisco Bay			Mile:	PWD: 22
Name:	Port of San Francisco Ferry Plaza Outer Ferry Landing.				
Port:	San Francisco				
Location:	San Francisco Bay, foot of Market Street extended.			Datum: MLLW	
Operator:	Golden Gate Bridge, Highway and Transportation District, Ferry Division.				
Owner:	Port of San Francisco.				
Address:				Phone: 415-925-5575/92	
Town:	San Francisco	State:	CA	County: San Francisco	
Railway Connection:	None.				
Purpose:	Landing for passenger ferries serving Sausalito and Larkspur.				
Depth Alongside (feet):	15			Latitude (decimal): 37.796111	
Total Berthing Space (feet):	78			Longitude (decimal): -122.3917	
Remarks:	This and adjacent landing (Ref. No. 23) extend from lower side of concrete pile, concrete-decked, Ferry Building Pier, designated as Ferry Plaza. Passenger waiting rooms are located at rear. Current Port of San Francisco offices are located in Ferry Building at inner end.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
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Remarks:	This and adjacent landing (Ref. No. 23) extend from lower side of concrete pile, concrete-decked, Ferry Building Pier, designated as Ferry Plaza. Passenger waiting rooms are located at rear. Current Port of San Francisco offices are located in Ferry Building at inner end.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		

## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 22
Name:	<b>Port of San Francisco Ferry Plaza Outer Ferry Landing.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, foot of Market Street extended.			Datum: MLLW	
Operator:	Golden Gate Bridge, Highway and Transportation District, Ferry Division.				
Owner:	Port of San Francisco.				
Address:				Phone: 415-925-5575/92	
Town:	San Francisco	State:	CA	County: San Francisco	
Railway Connection:	None.				
Purpose:	Landing for passenger ferries serving Sausalito and Larkspur.				
Depth Alongside (feet):	15			Latitude (decimal):	37.796111
Total Berthing Space (feet):	78			Longitude (decimal):	-122.3917
Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 22
Name:	<b>Port of San Francisco Ferry Plaza Outer Ferry Landing.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, foot of Market Street extended.			Datum: MLLW	
Operator:	Golden Gate Bridge, Highway and Transportation District, Ferry Division.				
Owner:	Port of San Francisco.				
Address:				Phone: 415-925-5575/92	
Town:	San Francisco	State:	CA	County: San Francisco	
Railway Connection:	None.				
Purpose:	Landing for passenger ferries serving Sausalito and Larkspur.				
Depth Alongside (feet):	15			Latitude (decimal):	37.796111
Total Berthing Space (feet):	78			Longitude (decimal):	-122.3917
Remarks:	This and adjacent landing (Ref. No. 23) extend from lower side of concrete pile, concrete-decked, Ferry Building Pier, designated as Ferry Plaza. Passenger waiting rooms are located at rear. Current Port of San Francisco offices are located in Ferry Building at inner end.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
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Remarks:	This and adjacent landing (Ref. No. 23) extend from lower side of concrete pile, concrete-decked, Ferry Building Pier, designated as Ferry Plaza. Passenger waiting rooms are located at rear. Current Port of San Francisco offices are located in Ferry Building at inner end.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		

## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 21  
 Name: **Port of San Francisco Golden Gate Ferry Slip, Pier 1/2.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Washington Street extended. Datum: MLLW  
 Operator: Red and White Fleet; Blue and Gold Fleet LP; Harbor Bay Maritime; and Vallejo Baylink  
 Owner: Port of San Francisco.  
 Address: Phone: 415-559-0217  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Landing for passenger ferries serving Tiburon, Oakland/Alameda, Richmond, and Vallejo.  
 Depth Alongside (feet): 12 | | Latitude (decimal): 37.796667  
 Total Berthing Space (feet): 140 | | Longitude (decimal): -122.3928  
 Remarks: Plans call for the Port of San Francisco to move from the Ferry Building to an office building on Pier 1 in 2001.□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 18  
 Name: **Port of San Francisco Pier No. 19.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Filbert Street extended. Datum: MLLW  
 Operator: Not operated.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-391-0176  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Not used for handling waterborne commerce.  
 Depth Alongside (feet): 12 | 8 - 12 | 8 - 12 Latitude (decimal): 37.803333  
 Total Berthing Space (feet): 153 | 638 | 800 Longitude (decimal): -122.3972  
 Remarks: See Remarks under Pier No. 23 (Ref. No. 17).□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 24  
 Name: **Port of San Francisco Pier No. 22 1/2.**  
 Port: San Francisco  
 Location: San Francisco Bay, below foot of Harrison Street extended. Datum: MLLW  
 Operator: San Francisco Fire Department.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-558-3235  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring fireboat 'Phoenix'.  
 Depth Alongside (feet): 15 | 15 | Latitude (decimal): 37.790278  
 Total Berthing Space (feet): 115 | - | Longitude (decimal): -122.3878  
 Remarks: Fire Department Station 35 is located at rear.□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 17  
 Name: **Port of San Francisco Pier No. 23.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Greenwich Street extended. Datum: MLLW  
 Operator: Not operated.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-391-0176  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Not used for handling waterborne commerce.  
 Depth Alongside (feet): 12 | 12 | 12 Latitude (decimal): 37.804167  
 Total Berthing Space (feet): 160 | 700 | 638 Longitude (decimal): -122.3986  
 Remarks: Transit shed on pier is connected to transit shed serving Pier No. 19 (Ref. No. 18) via headhouse shed at rear of bulkhead. Transit sheds are designated as Foreign Trade Zone No. 3, and operated by Foreign Trade Services, Inc. (S.W. Ref. No. 1.)

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 25  
 Name: **Port of San Francisco Pier No. 24.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Harrison Street extended. Datum: MLLW  
 Operator: San Francisco Fire Department.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-558-3235  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring fireboat 'Guardian'.  
 Depth Alongside (feet): 15 | 15 | 15 Latitude (decimal): 37.790278  
 Total Berthing Space (feet): - | 760 | 666 Longitude (decimal): -122.3844  
 Remarks: A San Francisco-Oakland Bay Bridge pier is located at face of pier. Pier was in poor condition at time of survey (1999). Fireboat is moored at inner end of lower side.

Port Series: 30 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 26  
 Name: **Port of San Francisco Pier No. 26.**  
 Port: San Francisco  
 Location: San Francisco Bay, above foot of Harrison Street extended. Datum: MLLW  
 Operator: Not operated.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0572  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Not used for handling waterborne commerce.  
 Depth Alongside (feet): 12 - 14 | 12 - 14 | 12 - 14 Latitude (decimal): 37.789722  
 Total Berthing Space (feet): 200 | 620 | 635 Longitude (decimal): -122.3842  
 Remarks: Bulkhead shed is located at rear of 193-foot bulkhead on lower side. Transit sheds on Pier Nos. 24, 26, and 28 are connected by bulkhead sheds.□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 16  
 Name: **Port of San Francisco Pier No. 27.**  
 Port: San Francisco  
 Location: San Francisco Bay, above foot of Chestnut Street extended. Datum: MLLW  
 Operator: Port of San Francisco.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0572  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring vessels.  
 Depth Alongside (feet): 18 - 33 | 33 | Latitude (decimal): 37.805278  
 Total Berthing Space (feet): 1,358 | 266 | Longitude (decimal): -122.4003  
 Remarks: Maritime Administration, U.S. Department of Transportation utilizes Pier No. 27 as a lay berth. Outer end of pier and transit shed are connected with those on Pier No. 27 (Ref. No. 15). Transit shed has been withdrawn from maritime use.

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 27  
 Name: **Port of San Francisco Pier No. 28.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Bryant Street extended. Datum: MLLW  
 Operator: Not operated.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0572  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Not used for handling waterborne commerce.  
 Depth Alongside (feet): 20 | 14 - 20 | 16 - 20 Latitude (decimal): 37.788333  
 Total Berthing Space (feet): 150 | 541 | 680 Longitude (decimal): -122.3839  
 Remarks: -□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 15  
 Name: **Port of San Francisco Pier No. 29.**  
 Port: San Francisco  
 Location: San Francisco Bay, below foot of Chestnut Street extended. Datum: MLLW  
 Operator: Not operated.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0572  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Not used for handling waterborne commerce.  
 Depth Alongside (feet): 16 - 33 | | Latitude (decimal): 37.807222  
 Total Berthing Space (feet): 801 | | Longitude (decimal): -122.4006  
 Remarks: Outer end of pier and transit shed are connected with those on Pier No. 27 (Ref. No. 16). Pier and transit shed have been withdrawn from maritime use.□

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 14  
 Name: **Port of San Francisco Pier No. 31.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Sansome Street extended. Datum: MLLW  
 Operator: Not operated.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0572  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Not used for handling waterborne commerce.  
 Depth Alongside (feet): 16 - 18 | 16 - 18 | 16 - 18 Latitude (decimal): 37.807778  
 Total Berthing Space (feet): 150 | 638 | 582 Longitude (decimal): -122.4014  
 Remarks: Pier and transit shed have been withdrawn from maritime use.□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 13  
 Name: **Port of San Francisco Pier No. 33.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Bay Street extended. Datum: MLLW  
 Operator: Port of San Francisco.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-983-8247  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Receipt of seafood; mooring fishing vessels and San Francisco Bay excursion boats.  
 Depth Alongside (feet): 15 | 15 | 15 Latitude (decimal): 37.808889  
 Total Berthing Space (feet): 150 | 787 | 687 Longitude (decimal): -122.4031  
 Remarks: Portion of transit shed is used as fish processing plant by Seafood Suppliers. Hornblower Cruises & Events operates excursion vessels at 80- by 20-foot, steel float with 50- by 8-foot gangway approach from bulkhead between Pier Nos. 33 and 31 (Ref. No. 14).

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 12  
 Name: **Port of San Francisco Pier No. 35.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of North Point Street extended. Datum: MLLW  
 Operator: Metropolitan Stevedore Co.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-765-5300  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring cruise vessels; passengers.  
 Depth Alongside (feet): 35 | 35 | 35 Latitude (decimal): 37.81  
 Total Berthing Space (feet): 200 | 802 | 1,053 Longitude (decimal): -122.4056  
 Remarks: Approximately 32,000 square feet of transit shed functions as a passenger terminal. Passengers board vessels via ramp from ground level and from waiting room on 2d floor of transit shed. A 280- by 80- to 130-foot shed is located along rear of bulkhead on lower side of pier.

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 29  
 Name: **Port of San Francisco Pier No. 36.**  
 Port: San Francisco  
 Location: San Francisco Bay, between foot of Brannan and Townsend Streets extended. Datum: MLLW  
 Operator: Not operated.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0572  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Not used for handling waterborne commerce.  
 Depth Alongside (feet): 12 | 12 | 12 Latitude (decimal): 37.783889  
 Total Berthing Space (feet): 100+ | 714 | 610 Longitude (decimal): -122.3842  
 Remarks: -□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 30  
 Name: **Port of San Francisco Pier No. 38.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Townsend Street extended. Datum: MLLW  
 Operator: Marine Recreation Center, Inc.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-975-3838  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring small vessels.  
 Depth Alongside (feet): 18 | 18 | 18 Latitude (decimal): 37.782778  
 Total Berthing Space (feet): 155 | 895 | 909 Longitude (decimal): -122.3836  
 Remarks: Transit shed is used for dry boat storage. One 400- by 10-foot float with 6-foot wide steel gangway approach is located at lower side. One 15-ton mobile boat hoist is available as required.

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 8

Name: **Port of San Francisco Pier No. 45, Sheds A and C.**

Port: San Francisco

Location: San Francisco Bay, western end of The Embarcadero at foot of Taylor Street. Datum: MLLW

Operator: Port of San Francisco, National Liberty Ship Memorial, and National Maritime Museum A

Owner: Port of San Francisco.

Address: Phone: 415-274-0513

Town: San Francisco State: CA County: San Francisco

Railway Connection: None.

Purpose: Mooring Liberty Ship 'Jeremiah O'Brien' and submarine 'Pampanito' on exhibition; mooring transient vessels.

Depth Alongside (feet): 14 - 35 | | Latitude (decimal): 37.810278

Total Berthing Space (feet): 1,250 | | Longitude (decimal): -122.4158

Remarks: Transient vessels moor at outer end. Transit sheds are used for non-maritime purposes.□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 7

Name: **Port of San Francisco Pier No. 45, Sheds B and D.**

Port: San Francisco

Location: San Francisco Bay, western end of The Embarcadero at foot of Taylor Street. Datum: MLLW

Operator: Port of San Francisco.

Owner: Port of San Francisco.

Address: Phone: 415-274-0513

Town: San Francisco State: CA County: San Francisco

Railway Connection: None.

Purpose: Receipt of seafood; mooring and icing fishing vessels.

Depth Alongside (feet): 14 - 25 | - | Latitude (decimal): 37.81

Total Berthing Space (feet): 1,200 | - | Longitude (decimal): -122.4183

Remarks: Sheds B and D serve as seafood receiving and processing plants operated by numerous tenants. Polar Ice Co. ices fishing vessels via 6-inch line.□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 32

Name: **Port of San Francisco Pier No. 50, Mission Rock Terminal.**

Port: San Francisco

Location: San Francisco Bay, foot of Mission Rock Street extended. Datum: MLLW

Operator: Westar Marine Services; Clean Bay Cooperative; and Port of San Francisco.

Owner: Port of San Francisco.

Address: Phone: 415-495-3191

Town: San Francisco State: CA County: San Francisco

Railway Connection: None.

Purpose: Mooring company-owned floating equipment; mooring vessels.

Depth Alongside (feet): 45 | 35 | 35 Latitude (decimal): 37.773333

Total Berthing Space (feet): 1,000 | 1,480 | 1,100 Longitude (decimal): -122.3806

Remarks: Maritime Administration, U.S. Department of Transportation utilizes face as a lay berth. Westar Marine Services dispatch office is located in Building C. Clean Bay II is based at inner end of upper side.

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 33  
 Name: **Port of San Francisco Pier No. 54.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of 4th Street extended. Datum: MLLW  
 Operator: Crowley Maritime Corp. (See Remarks).  
 Owner: Port of San Francisco.  
 Address: Phone: 415-331-3477/53  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring vessels; receipt of seafood.  
 Depth Alongside (feet): 18 - 20 | 18 - 20 | 18 - 20 Latitude (decimal): 37.769722  
 Total Berthing Space (feet): 150 | 770 | 630 Longitude (decimal): -122.3822  
 Remarks: Sea-K Fish Co. receives seafood on lower side; seafood is processed at company-owned plant in Sausalito. □

Port Series: 30 Year of Last Survey: 2000 Corps of Engnr's Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 39  
 Name: **Port of San Francisco Pier No. 70.**  
 Port: San Francisco  
 Location: San Francisco Bay, between foot of 20th and 19th Streets extended. Datum: MLLW  
 Operator: Port of San Francisco.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-695-2607  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring vessels.  
 Depth Alongside (feet): 35 | 35 | 35 Latitude (decimal): 37.761944  
 Total Berthing Space (feet): | 1,300 | 1,180 Longitude (decimal): -122.3797  
 Remarks: Southern Energy, Inc.: One 16- becoming 20-inch pipeline with three 8-inch wharf connections extends to 2 steel storage tanks, total capacity 404,000 barrels; and one 12-inch pipeline with two 8-inch connections extends to a 120,000-barrel diesel fuel tank. Tanks are located at Potrero Power Plant at rear. Pipelines were not in use at time of survey (1999).

Port Series: 30 Year of Last Survey: 2000 Corps of Engnr's Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 20  
 Name: **Port of San Francisco Pier No. 9.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Vallejo Street extended. Datum: MLLW  
 Operator: Blue and Gold Fleet, LP and San Francisco Bar Pilots.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-362-0941  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring company-owned floating equipment; mooring pilot boats.  
 Depth Alongside (feet): 15 | 15 | 15 Latitude (decimal): 37.801111  
 Total Berthing Space (feet): 154 | 800 | 800 Longitude (decimal): -122.395  
 Remarks: Pilot office is located at outer end of transit shed. Transit shed also serves as offices for non-maritime operators. □

Port Series: 30 Year of Last Survey: 2000 Corps of Engnr's Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 41  
 Name: **Port of San Francisco Pier No. 90.**  
 Port: San Francisco  
 Location: South side, Islais Creek, approximately 900 feet below Third Street Bridge. Datum: MLLW  
 Operator: Port of San Francisco.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0572  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: Three surface tracks serve 3 hopper car receiving pits, a boxcar dumper, and carloading spout in car shed located between elevator buildings; connect with Union Pacific Railroad.  
 Purpose: Mooring vessels.  
 Depth Alongside (feet): 28 | | Latitude (decimal): 37.747222  
 Total Berthing Space (feet): 1,210 | | Longitude (decimal): -122.3844  
 Remarks: Grain elevator in rear consists of 3 separate buildings, having a total of 63 silos and 38 interstitial spaces, with a total storage capacity of 2,000,000 bushels; elevator was not used for grain storage at time of survey (1999).

Port Series: 30 Year of Last Survey: 2000 Corps of Engnr's Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 42  
 Name: **Port of San Francisco Pier No. 92.**  
 Port: San Francisco  
 Location: South side, Islais Creek at entrance. Datum: MLLW  
 Operator: Darling International, Inc. and Mission Valley Rock.  
 Owner: Port of San Francisco.  
 Address: 429 Armador Street. Phone: 415-647-4890  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Shipment of tallow; receipt of sand.  
 Depth Alongside (feet): 35 | | Latitude (decimal): 37.747222  
 Total Berthing Space (feet): 166+ | | Longitude (decimal): -122.38  
 Remarks: Darling International, Inc.: Two 8-inch pipelines extend to wharf from 10 tallow storage tanks at rear, total capacity 2,900,000 gallons. □ Mission Valley Rock: Open storage area at rear has capacity for 20,000 tons of sand.

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 19  
 Name: **Port of San Francisco Pier Nos. 17 and 15.**  
 Port: San Francisco  
 Location: San Francisco Bay, between foot of Union and Green Streets extended. Datum: MLLW  
 Operator: Baydelta Maritime.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-693-5803  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring company-owned floating equipment.  
 Depth Alongside (feet): 35 | 35 | 17 Latitude (decimal): 37.8025  
 Total Berthing Space (feet): 485 | 800 | 800 Longitude (decimal): -122.3958  
 Remarks: \*Includes space in 140- by 85-foot steel frame, concrete-walled shed connecting transit sheds at face. □ Approximately 27,000 square feet of open storage area is located in rear between Piers, and an additional 6,000 square feet is at rear of bulkhead on lower side. Pier No. 17 transit shed is operated as cotton warehouse by Parker Warehouse, Inc. Cotton is trucked in and out. Baydelta Maritime moors floating equipment at Pier No. 15. Dispatch office is located in Pier No. 15 transit shed.

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 28  
 Name: **Port of San Francisco Pier Nos. 30 and 32.**  
 Port: San Francisco  
 Location: San Francisco Bay, between foot of Bryant and Brannan Streets extended. Datum: MLLW  
 Operator: Port of San Francisco.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0572  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring vessels.  
 Depth Alongside (feet): 38 | 12 - 18 | 18 - 38 Latitude (decimal): 37.786667  
 Total Berthing Space (feet): 622 | 845 | 932 Longitude (decimal): -122.3833  
 Remarks: Plans call for the construction of the James R. Harman International Cruise Terminal to be located on pier in 2005.□

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 31  
 Name: **Port of San Francisco Pier Nos. 48A and 48B.**  
 Port: San Francisco  
 Location: San Francisco Bay, south of entrance to China Basin. Datum: MLLW  
 Operator: Port of San Francisco.  
 Owner: Port of San Francisco.  
 Address: Phone: 415-274-0572  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring vessels.  
 Depth Alongside (feet): 26 | 14 | 14 - 26 Latitude (decimal): 37.775833  
 Total Berthing Space (feet): 369 | 610 | 636 Longitude (decimal): -122.385  
 Remarks: \*Includes space in 140- by 64-foot shed connecting transit sheds at face.□ Approximately 21,000 square feet of open storage area is available between transit sheds.

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 43

Name: **Port of San Francisco Pier Nos. 94 and 96.**

Port: San Francisco

Location: San Francisco Bay, between Islais Creek and India Basin. Datum: MLLW

Operator: Port of San Francisco.

Owner: Port of San Francisco.

Address: Phone: 415-274-0572

Town: San Francisco State: CA County: San Francisco

Railway Connection: Two surface tracks extending to rear of face join additional terminal trackage; connect with tracks of Union Pacific Railroad.

Purpose: Mooring vessels.

Depth Alongside (feet): 40 | | Latitude (decimal): 37.742778

Total Berthing Space (feet): 2,456 | | Longitude (decimal): -122.3703

Remarks: Trackage permits unit train access to the terminal, and connects with Intermodal Container Transfer Facility (ICTF). A 76-acre, paved, container storage area, including 154 positions at 220 volts, and 56 positions at 480 volts for refrigerated containers was not in use at time of survey. Terminal is served by the Container Freight Station described under Ref. No. 44. □ Maritime Administration, U.S. Department of Transportation utilizes face as alay berth. □

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 40

Name: **Port of San Francisco, North Container Terminal (Pier No. 80).**

Port: San Francisco

Location: San Francisco Bay, foot of Cesar Chavez (Army) Street. Datum: MLLW

Operator: Marine Terminals Corp.

Owner: Port of San Francisco.

Address: Phone: 415-826-7100/69

Town: San Francisco State: CA County: San Francisco

Railway Connection: Two surface tracks on lower apron, two along face, two connecting surface tracks on upper apron, and one platform-level track along rear of each shed provide on-wharf intermodal transfer, and connect

Purpose: Receipt and shipment of conventional, containerized, and roll-on roll-off general cargo in foreign and domestic trade.

Depth Alongside (feet): 38 | 38 | 38 Latitude (decimal): 37.750556

Total Berthing Space (feet): 1,138 | 1,296 | 2,657 Longitude (decimal): -122.3758

Remarks: Terminal occupies 69 acres and includes 170 positions at 240 volts, and 244 positions at 480 volts for refrigerated containers, and four 60-ton truck scales. Railway Connections (Cont'd): with Intermodal Container Transfer Facility (ICTF) and tracks of Union Pacific Railroad.

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway:	<b>San Francisco Bay</b>	Mile:	PWD: 9
Name:	<b>Red and White Fleet, Pier No. 43 1/2 Ferry Docks.</b>		
Port:	San Francisco		
Location:	San Francisco Bay, west of foot of Mason Street.	Datum:	MLLW
Operator:	Red and White Fleet.		
Owner:	Red and White Fleet.		
Address:		Phone:	415-447-0591
Town:	San Francisco	State:	CA
		County:	San Francisco
Railway Connection:	None.		
Purpose:	Mooring excursion vessels.		
Depth Alongside (feet):	12 - 15	Latitude (decimal):	37.809444
Total Berthing Space (feet):	160+	Longitude (decimal):	-122.4139
Remarks:	Ticket office is located at rear. Vessels Harbor Queen, Harbor King, Harbor Princess, and Royal Prince are based at floats.□		
Port Series:	30	Year of Last Survey:	2000
Corps of Engnrs Waterway Code:	82202	San Francisco District	

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## Port Facilities by Waterway

Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	



## Port Facilities by Waterway

Waterway:	San Francisco Bay			Mile:	PWD: 38
Name:	San Francisco Drydock, Drydock No. 2 High Water Platform.				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	San Francisco Drydock, Inc.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Mooring floating drydock.				
Depth Alongside (feet):	55 - 60		55 - 60	Latitude (decimal):	37.765
Total Berthing Space (feet):				Longitude (decimal):	-122.3806
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		

## Port Facilities by Waterway

Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	

## Port Facilities by Waterway

Waterway:	San Francisco Bay			Mile:	PWD: 38
Name:	San Francisco Drydock, Drydock No. 2 High Water Platform.				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	San Francisco Drydock, Inc.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Mooring floating drydock.				
Depth Alongside (feet):	55 - 60		55 - 60	Latitude (decimal):	37.765
Total Berthing Space (feet):				Longitude (decimal):	-122.3806
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
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Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		

## Port Facilities by Waterway

Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	

## Port Facilities by Waterway

Waterway:	San Francisco Bay			Mile:	PWD: 38
Name:	San Francisco Drydock, Drydock No. 2 High Water Platform.				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	San Francisco Drydock, Inc.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Mooring floating drydock.				
Depth Alongside (feet):	55 - 60		55 - 60	Latitude (decimal):	37.765
Total Berthing Space (feet):				Longitude (decimal):	-122.3806
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
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Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		

## Port Facilities by Waterway

Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
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Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
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Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	

## Port Facilities by Waterway

Waterway:	San Francisco Bay			Mile:	PWD: 38
Name:	San Francisco Drydock, Drydock No. 2 High Water Platform.				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	San Francisco Drydock, Inc.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Mooring floating drydock.				
Depth Alongside (feet):	55 - 60		55 - 60	Latitude (decimal):	37.765
Total Berthing Space (feet):				Longitude (decimal):	-122.3806
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
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Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		

## Port Facilities by Waterway

Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
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Owner: Port of San Francisco.		
Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
Operator: San Francisco Drydock, Inc.		
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Address:		Phone: 415-861-7447
Town: San Francisco	State: CA	County: San Francisco
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Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.		Datum: MLLW
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Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Mooring floating drydock.		
Depth Alongside (feet): 55 - 60   55 - 60	Latitude (decimal): 37.765	
Total Berthing Space (feet):	Longitude (decimal): -122.3806	
Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 38
Name: <b>San Francisco Drydock, Drydock No. 2 High Water Platform.</b>		
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Railway Connection: None.		
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## Port Facilities by Waterway

Waterway:	San Francisco Bay			Mile:	PWD: 38
Name:	San Francisco Drydock, Drydock No. 2 High Water Platform.				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	San Francisco Drydock, Inc.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Mooring floating drydock.				
Depth Alongside (feet):	55 - 60		55 - 60	Latitude (decimal):	37.765
Total Berthing Space (feet):				Longitude (decimal):	-122.3806
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
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Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
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Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		
Remarks:	Floating Drydock No. 2, lifting capacity 65,000 long tons, is moored end-to face of platform which has 92- by 64-foot recess for inner apron of drydock and access gangway. Platform and drydock are equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202	San Francisco District		

## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>

## Port Facilities by Waterway

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Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 34
Name: <b>San Francisco Drydock, Pier No. 1.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.	Datum: MLLW	
Operator: Not operated.		
Owner: Port of San Francisco.		
Address:	Phone: 415-861-7447	
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Not used.		
Depth Alongside (feet): 15	-	Latitude (decimal): 37.762778
Total Berthing Space (feet): 400		Longitude (decimal): -122.3839
Remarks: At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. <input type="checkbox"/>		
Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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Remarks: At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. <input type="checkbox"/>		
Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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Remarks: At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. <input type="checkbox"/>		
Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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Remarks: At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. <input type="checkbox"/>		
Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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Remarks: At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. <input type="checkbox"/>		
Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>

## Port Facilities by Waterway

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Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 34
Name: <b>San Francisco Drydock, Pier No. 1.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.	Datum: MLLW	
Operator: Not operated.		
Owner: Port of San Francisco.		
Address:	Phone: 415-861-7447	
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Not used.		
Depth Alongside (feet): 15	-	Latitude (decimal): 37.762778
Total Berthing Space (feet): 400		Longitude (decimal): -122.3839
Remarks: At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. <input type="checkbox"/>		
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202 San Francisco District

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Remarks: At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. <input type="checkbox"/>		
Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202 San Francisco District

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Port Series: 30	Year of Last Survey: 2000	Corps of Engnrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>
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## Port Facilities by Waterway

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Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 34
Name: <b>San Francisco Drydock, Pier No. 1.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.	Datum: MLLW	
Operator: Not operated.		
Owner: Port of San Francisco.		
Address:	Phone: 415-861-7447	
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Not used.		
Depth Alongside (feet): 15	-	Latitude (decimal): 37.762778
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Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>
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## Port Facilities by Waterway

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Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.	Datum: MLLW	
Operator: Not operated.		
Owner: Port of San Francisco.		
Address:	Phone: 415-861-7447	
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Not used.		
Depth Alongside (feet): 15	-	Latitude (decimal): 37.762778
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Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 1.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 15   -  </p> <p>Total Berthing Space (feet): 400    </p>	<p>Mile: PWD: 34</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.762778</p> <p>Longitude (decimal): -122.3839</p>
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## Port Facilities by Waterway

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Waterway: <b>San Francisco Bay</b>	Mile:	PWD: 34
Name: <b>San Francisco Drydock, Pier No. 1.</b>		
Port: San Francisco		
Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.	Datum: MLLW	
Operator: Not operated.		
Owner: Port of San Francisco.		
Address:	Phone: 415-861-7447	
Town: San Francisco	State: CA	County: San Francisco
Railway Connection: None.		
Purpose: Not used.		
Depth Alongside (feet): 15	-	Latitude (decimal): 37.762778
Total Berthing Space (feet): 400		Longitude (decimal): -122.3839
Remarks: At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. <input type="checkbox"/>		
Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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Remarks: At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. <input type="checkbox"/>		
Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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Port Series: 30	Year of Last Survey: 2000	Corps of Engrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Mile: PWD: 35</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
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## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 35
Name:	<b>San Francisco Drydock, Pier No. 3.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	San Francisco Drydock, Inc.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Mooring vessels for outfitting and repair.				
Depth Alongside (feet):	27 - 30		30		30
Total Berthing Space (feet):			650		658
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
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<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Mile: PWD: 35</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>

## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 35
Name:	<b>San Francisco Drydock, Pier No. 3.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	San Francisco Drydock, Inc.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Mooring vessels for outfitting and repair.				
Depth Alongside (feet):	27 - 30		30		30
Total Berthing Space (feet):			650		658
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District

## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Mile: PWD: 35</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>



## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 35
Name:	<b>San Francisco Drydock, Pier No. 3.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	San Francisco Drydock, Inc.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Mooring vessels for outfitting and repair.				
Depth Alongside (feet):	27 - 30		30		30
Total Berthing Space (feet):			650		658
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District

## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Mile: PWD: 35</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>

## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 35
Name:	<b>San Francisco Drydock, Pier No. 3.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	San Francisco Drydock, Inc.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Mooring vessels for outfitting and repair.				
Depth Alongside (feet):	27 - 30		30		30
Total Berthing Space (feet):			650		658
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
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## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Mile: PWD: 35</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 3.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair.</p> <p>Depth Alongside (feet): 27 - 30   30   30</p> <p>Total Berthing Space (feet):   650   658</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764167</p> <p>Longitude (decimal): -122.3833</p> <p>Mile: PWD: 35</p>

## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 35
Name:	<b>San Francisco Drydock, Pier No. 3.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	San Francisco Drydock, Inc.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Mooring vessels for outfitting and repair.				
Depth Alongside (feet):	27 - 30		30		30
Total Berthing Space (feet):			650		658
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.□				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District

## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Mile: PWD: 36</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>

## Port Facilities by Waterway

Waterway:	San Francisco Bay				Mile:		PWD: 36						
Name:	San Francisco Drydock, Pier No. 4.												
Port:	San Francisco												
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.					Datum:	MLLW						
Operator:	San Francisco Drydock, Inc.												
Owner:	Port of San Francisco.												
Address:						Phone:	415-861-7447						
Town:	San Francisco		State:		CA		County:	San Francisco					
Railway Connection:	None.												
Purpose:	Mooring vessels for outfitting and repair; mooring floating drydock.												
Depth Alongside (feet):	38 - 49				30				30		Latitude (decimal):	37.764444	
Total Berthing Space (feet):									593		Longitude (decimal):	-122.3825	
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen. Floating Drydock No. 1 ('Eureka'), lifting capacity 14,500 long tons, is moored along west side.												
Port Series:	30		Year of Last Survey:		2000		Corps of Engnrs Waterway Code:		82202		San Francisco District		
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen. Floating Drydock No. 1 ('Eureka'), lifting capacity 14,500 long tons, is moored along west side.												
Port Series:	30		Year of Last Survey:		2000		Corps of Engnrs Waterway Code:		82202		San Francisco District		
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen. Floating Drydock No. 1 ('Eureka'), lifting capacity 14,500 long tons, is moored along west side.												
Port Series:	30		Year of Last Survey:		2000		Corps of Engnrs Waterway Code:		82202		San Francisco District		
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Port Series:	30		Year of Last Survey:		2000		Corps of Engnrs Waterway Code:		82202		San Francisco District		

## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Mile: PWD: 36</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>



## Port Facilities by Waterway

Waterway:	San Francisco Bay				Mile:		PWD: 36						
Name:	San Francisco Drydock, Pier No. 4.												
Port:	San Francisco												
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.					Datum:	MLLW						
Operator:	San Francisco Drydock, Inc.												
Owner:	Port of San Francisco.												
Address:						Phone:	415-861-7447						
Town:	San Francisco		State:		CA		County:	San Francisco					
Railway Connection:	None.												
Purpose:	Mooring vessels for outfitting and repair; mooring floating drydock.												
Depth Alongside (feet):	38 - 49				30				30		Latitude (decimal):	37.764444	
Total Berthing Space (feet):									593		Longitude (decimal):	-122.3825	
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen. Floating Drydock No. 1 ('Eureka'), lifting capacity 14,500 long tons, is moored along west side.												
Port Series:	30		Year of Last Survey:		2000		Corps of Engnrs Waterway Code:		82202		San Francisco District		
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen. Floating Drydock No. 1 ('Eureka'), lifting capacity 14,500 long tons, is moored along west side.												
Port Series:	30		Year of Last Survey:		2000		Corps of Engnrs Waterway Code:		82202		San Francisco District		
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## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Mile: PWD: 36</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
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<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
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Waterway:	San Francisco Bay				Mile:		PWD: 36						
Name:	San Francisco Drydock, Pier No. 4.												
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Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.					Datum:	MLLW						
Operator:	San Francisco Drydock, Inc.												
Owner:	Port of San Francisco.												
Address:						Phone:	415-861-7447						
Town:	San Francisco		State:		CA		County:	San Francisco					
Railway Connection:	None.												
Purpose:	Mooring vessels for outfitting and repair; mooring floating drydock.												
Depth Alongside (feet):	38 - 49				30				30		Latitude (decimal):	37.764444	
Total Berthing Space (feet):									593		Longitude (decimal):	-122.3825	
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Port Series:	30		Year of Last Survey:		2000		Corps of Engnrs Waterway Code:		82202		San Francisco District		
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<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Mile: PWD: 36</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p>
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Waterway:	San Francisco Bay				Mile:		PWD:	36			
Name:	San Francisco Drydock, Pier No. 4.										
Port:	San Francisco										
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.						Datum:	MLLW			
Operator:	San Francisco Drydock, Inc.										
Owner:	Port of San Francisco.										
Address:							Phone:	415-861-7447			
Town:	San Francisco			State:		CA		County:	San Francisco		
Railway Connection:	None.										
Purpose:	Mooring vessels for outfitting and repair; mooring floating drydock.										
Depth Alongside (feet):	38 - 49				30				30	Latitude (decimal):	37.764444
Total Berthing Space (feet):									593	Longitude (decimal):	-122.3825
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen. Floating Drydock No. 1 ('Eureka'), lifting capacity 14,500 long tons, is moored along west side.										
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Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen. Floating Drydock No. 1 ('Eureka'), lifting capacity 14,500 long tons, is moored along west side.										
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs	Waterway Code:	82202	San Francisco District				
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<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Mile: PWD: 36</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 4.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: San Francisco Drydock, Inc.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Mooring vessels for outfitting and repair; mooring floating drydock.</p> <p>Depth Alongside (feet): 38 - 49   30   30</p> <p>Total Berthing Space (feet):     593</p>	<p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764444</p> <p>Longitude (decimal): -122.3825</p> <p>Mile: PWD: 36</p>

## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:		PWD: 36
Name:	<b>San Francisco Drydock, Pier No. 4.</b>					
Port:	San Francisco					
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.				Datum:	MLLW
Operator:	San Francisco Drydock, Inc.					
Owner:	Port of San Francisco.					
Address:					Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco	
Railway Connection:	None.					
Purpose:	Mooring vessels for outfitting and repair; mooring floating drydock.					
Depth Alongside (feet):	38 - 49		30		30	Latitude (decimal): 37.764444
Total Berthing Space (feet):					593	Longitude (decimal): -122.3825
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen. Floating Drydock No. 1 ('Eureka'), lifting capacity 14,500 long tons, is moored along west side.					
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202	San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen. Floating Drydock No. 1 ('Eureka'), lifting capacity 14,500 long tons, is moored along west side.					
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202	San Francisco District
Remarks:	Pier is equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen. Floating Drydock No. 1 ('Eureka'), lifting capacity 14,500 long tons, is moored along west side.					
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202	San Francisco District
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Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202	San Francisco District
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Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202	San Francisco District

## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	<p>Mile: PWD: 37</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764722</p> <p>Longitude (decimal): -122.3814</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	



## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 37
Name:	<b>San Francisco Drydock, Pier No. 5.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	Not operated.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Not used.				
Depth Alongside (feet):	29 - 30		30		30
Total Berthing Space (feet):	-		746		818
Latitude (decimal):	37.764722				
Longitude (decimal):	-122.3814				
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District

## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	<p>Mile: PWD: 37</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764722</p> <p>Longitude (decimal): -122.3814</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	

## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 37
Name:	<b>San Francisco Drydock, Pier No. 5.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	Not operated.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Not used.				
Depth Alongside (feet):	29 - 30		30		30
Total Berthing Space (feet):	-		746		818
Latitude (decimal):	37.764722				
Longitude (decimal):	-122.3814				
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District

## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	<p>Mile: PWD: 37</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764722</p> <p>Longitude (decimal): -122.3814</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	

## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 37
Name:	<b>San Francisco Drydock, Pier No. 5.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	Not operated.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Not used.				
Depth Alongside (feet):	29 - 30		30		30
Total Berthing Space (feet):	-		746		818
Latitude (decimal):	37.764722				
Longitude (decimal):	-122.3814				
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District

## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	<p>Mile: PWD: 37</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764722</p> <p>Longitude (decimal): -122.3814</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	

## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 37
Name:	<b>San Francisco Drydock, Pier No. 5.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	Not operated.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Not used.				
Depth Alongside (feet):	29 - 30		30		30
Total Berthing Space (feet):	-		746		818
Latitude (decimal):	37.764722				
Longitude (decimal):	-122.3814				
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District

## Port Facilities by Waterway

<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	<p>Mile: PWD: 37</p> <p>Datum: MLLW</p> <p>Phone: 415-861-7447</p> <p>County: San Francisco</p> <p>Latitude (decimal): 37.764722</p> <p>Longitude (decimal): -122.3814</p>
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	
<p>Waterway: <b>San Francisco Bay</b></p> <p>Name: <b>San Francisco Drydock, Pier No. 5.</b></p> <p>Port: San Francisco</p> <p>Location: San Francisco Bay, south side of Central Basin at foot of 19th Street extended.</p> <p>Operator: Not operated.</p> <p>Owner: Port of San Francisco.</p> <p>Address:</p> <p>Town: San Francisco State: CA</p> <p>Railway Connection: None.</p> <p>Purpose: Not used.</p> <p>Depth Alongside (feet): 29 - 30   30   30</p> <p>Total Berthing Space (feet): -   746   818</p>	



## Port Facilities by Waterway

Waterway:	<b>San Francisco Bay</b>			Mile:	PWD: 37
Name:	<b>San Francisco Drydock, Pier No. 5.</b>				
Port:	San Francisco				
Location:	San Francisco Bay, south side of Central Basin at foot of 19th Street extended.			Datum:	MLLW
Operator:	Not operated.				
Owner:	Port of San Francisco.				
Address:				Phone:	415-861-7447
Town:	San Francisco	State:	CA	County:	San Francisco
Railway Connection:	None.				
Purpose:	Not used.				
Depth Alongside (feet):	29 - 30		30		30
Total Berthing Space (feet):	-		746		818
Latitude (decimal):	37.764722				
Longitude (decimal):	-122.3814				
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District
Remarks:	At time of survey (1999) pier was in poor condition and would need repairs prior to being activated. Pier can be equipped with telephone connections and service lines for compressed air, water, electricity, steam, acetylene gas, and oxygen.				
Port Series:	30	Year of Last Survey:	2000	Corps of Engnrs Waterway Code:	82202 San Francisco District

## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 3  
 Name: **San Francisco Marine Fuel Dock.**  
 Port: San Francisco  
 Location: San Francisco Bay, east of foot of Hyde Street extended. Datum: MLLW  
 Operator: G.P. Resources, Inc. d.b.a. San Francisco Marine.  
 Owner: Port of San Francisco.  
 Address: 2950 Hyde Street. Phone: 415-673-2928  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Fueling small vessels.  
 Depth Alongside (feet): 17 | 17 | 17 Latitude (decimal): 37.808889  
 Total Berthing Space (feet): | 50 | 44 Longitude (decimal): -122.4192  
 Remarks: One 4-inch pipeline extends to metered pumps on pier from 2 storage tanks in rear, total capacity 5,500 barrels. Small building on pier is used as an office and for storage.

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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Waterway: **San Francisco Bay** Mile: PWD: 2  
 Name: **San Francisco Maritime National Historical Park, Hyde Street Pier.**  
 Port: San Francisco  
 Location: San Francisco Bay, foot of Hyde Street extended. Datum: MLLW  
 Operator: National Park Service, U.S. Department of the Interior.  
 Owner: U.S. Government.  
 Address: 2905 Hyde Street. Phone: 415-556-9402  
 Town: San Francisco State: CA County: San Francisco  
 Railway Connection: None.  
 Purpose: Mooring vessels on exhibition.  
 Depth Alongside (feet): 20 | 20 | 20 Latitude (decimal): 37.809722  
 Total Berthing Space (feet): | 720 | 580 Longitude (decimal): -122.4211  
 Remarks: At time of survey (1999), the Maritime Exhibit included: Balclutha, C.A. Thayer, Eureka, Epplenon Hall, Hercules, and Alma. □

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82202 San Francisco District

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## Port Facilities by Waterway

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Waterway: **San Francisco Bay** Mile: PWD: 1  
 Name: **U.S. Coast Guard Station, Golden Gate Dock.**  
 Port: San Francisco  
 Location: West shore, Horseshoe Bay, approximately 0.8 mile above Golden Gate Bridge (U.S. Datum: MLLW Highway 101 and State R  
 Operator: U.S. Coast Guard.  
 Owner: U.S. Government.  
 Address: 435 Murray Circle. Phone: 415-331-8247  
 Town: Fort Baker State: CA County: Marin  
 Railway Connection: None.  
 Purpose: Mooring U.S. Coast Guard vessels.  
 Depth Alongside (feet): 10 | | Latitude (decimal): 37.833333  
 Total Berthing Space (feet): 65 | | Longitude (decimal): -122.4772  
 Remarks: Float extensions are spaced 40 feet apart, and serviced by two 2-inch diesel lines extending to tank at rear, two 2-inch waste oil lines, and one 1-inch compressed air line.

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82400 San Francisco District

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Waterway: **Santa Fe Channel** Mile: PWD: 44  
 Name: **Bay Ship & Yacht Co., Richmond Wharf.**  
 Port: Richmond  
 Location: Left bank, Santa Fe Channel, at entrance to Richmond Yacht Harbor. Datum: MLLW  
 Operator: Bay Ship & Yacht Co.  
 Owner: Bay Ship & Yacht Co.  
 Address: 310 West Cutting Boulevard. Phone: 510-237-0140  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Mooring small vessels for repair.  
 Depth Alongside (feet): 20 | | Latitude (decimal): 37.923056  
 Total Berthing Space (feet): 120 | | Longitude (decimal): -122.3719  
 Remarks: One 20-ton, mobile, vertical boat lift serves yard at rear.□□

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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Waterway: **Santa Fe Channel** Mile: PWD: 47  
 Name: **Castrol North America, Richmond Wharf.**  
 Port: Richmond  
 Location: Right bank, near head of Santa Fe Channel. Datum: MLLW  
 Operator: Castrol North America, Inc.  
 Owner: Castrol North America, Inc.  
 Address: 801 Wharf Street. Phone: 510-236-6312  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: None.  
 Purpose: Receipt and shipment of petroleum products by barge and vessel.  
 Depth Alongside (feet): 32 | | Latitude (decimal): 37.9225  
 Total Berthing Space (feet): 700 | | Longitude (decimal): -122.3739  
 Remarks: Two 6- and twelve 4-inch pipelines extend from wharf to 53 steel storage tanks located at rear, total capacity 85,000 barrels.□

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Santa Fe Channel** Mile: PWD: 43

Name: **IMTT-Richmond-CA, Richmond Wharf.**

Port: Richmond

Location: Left bank, Santa Fe Channel, above entrance to Lauritzen Canal. Datum: MLLW

Operator: IMTT-Richmond-CA.

Owner: IMTT-Richmond-CA.

Address: 100 Cutting Boulevard. Phone: 510-412-5700

Town: Richmond State: CA County: Contra Costa

Railway Connection: None.

Purpose: Receipt and shipment of petroleum products; receipt of caustic soda and paraffin wax.

Depth Alongside (feet): 38 | | Latitude (decimal): 37.921111

Total Berthing Space (feet): 650 | | Longitude (decimal): -122.3692

Remarks: One 12-, two 10-, three 8-, and nine 6-inch pipelines extend from wharf to 38 petroleum products storage tanks in rear, total capacity 441,200 barrels, one 4,200,000-gallon caustic soda storage tank, and three paraffin wax storage tanks, total capacity 2,520,000 gallons. A 21-foot boom boat and 1,650 feet of floating boom for pollution containment is stored on wharf.

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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Waterway: **Santa Fe Channel** Mile: PWD: 45

Name: **Keefe Kaplan Maritime Wharf.**

Port: Richmond

Location: Left bank, Santa Fe Channel, approximately 0.5 mile from entrance. Datum: MLLW

Operator: Keefe Kaplan Maritime, Inc. □

Owner: Keefe Kaplan Maritime, Inc.

Address: 530 West Cutting Boulevard. Phone: 510-235-5564

Town: Richmond State: CA County: Contra Costa

Railway Connection: None.

Purpose: Mooring small vessels for repair; mooring floating drydocks..

Depth Alongside (feet): 20 | | Latitude (decimal): 37.923889

Total Berthing Space (feet): 500 | | Longitude (decimal): -122.3739

Remarks: One 200- and one 100-ton, floating drydocks are located at lower end of and perpendicular to wharf. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82300 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Santa Fe Channel** Mile: PWD: 40  
 Name: **Levin-Richmond Terminal Corp., Richmond Wharf, Berths A, B, and C.**  
 Port: Richmond  
 Location: North side of Santa Fe Channel, and left bank of Lauritzen Canal. Datum: MLLW  
 Operator: Levin-Richmond Terminal Corp.  
 Owner: Levin-Richmond Terminal Corp.  
 Address: 402 Wright Avenue. Phone: 510-232-4422 x3  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: One surface track on inner section of wharf joins additional tracks serving yard; connect with Parr Terminal Railroad, Burlington Northern Santa Fe Railway, and Union Pacific Railroad.  
 Purpose: Shipment of scrap metal and petroleum coke; receipt of miscellaneous dry bulk commodities, including coke, bauxite, limestone, and livestock feed.  
 Depth Alongside (feet): 37 | 34 | Latitude (decimal): 37.921111  
 Total Berthing Space (feet): 600 | 850 | Longitude (decimal): -122.3669  
 Remarks: Approximately 5 acres of open storage area are located at rear of face, and an additional 10 acres are located at rear.□

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82300 San Francisco District

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Waterway: **Santa Fe Channel** Mile: PWD: 48  
 Name: **National Gypsum Co., Richmond Dock.**  
 Port: Richmond  
 Location: Right bank, Santa Fe Channel, opposite entrance to Lauritzen Canal. Datum: MLLW  
 Operator: National Gypsum Co., Gold Bond Building Products.  
 Owner: National Gypsum Co., Gold Bond Building Products.  
 Address: 1040 Canal Boulevard. Phone: 510-234-6745  
 Town: Richmond State: CA County: Contra Costa  
 Railway Connection: Two platform-level tracks inside warehouse in rear connect with Burlington Northern Santa Fe Railway.  
 Purpose: Receipt of gypsum rock by self-unloading vessel.  
 Depth Alongside (feet): 38 | | Latitude (decimal): 37.919444  
 Total Berthing Space (feet): 600 | | Longitude (decimal): -122.3683  
 Remarks: Gypsum rock is obtained from San Marco Island, Baja California, Mexico. Storage dome located at rear has capacity for 40,000 tons of gypsum rock.□

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82300 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Santa Fe Channel** Mile: PWD: 46

Name: **Richmond Boat Works Wharf.**

Port: Richmond

Location: Left bank, inner end, at head of Santa Fe Channel. Datum: MLLW

Operator: Maritime Transit Corp., d.b.a. Richmond Boat Works, Inc.

Owner: Maritime Transit Corp.

Address: 616 West Cutting Boulevard. Phone: 510-232-5800

Town: Richmond State: CA County: Contra Costa

Railway Connection: None.

Purpose: Mooring small vessels for repair.

Depth Alongside (feet): 5 | 20 | Latitude (decimal): 37.924444

Total Berthing Space (feet): - | 65 | Longitude (decimal): -122.3756

Remarks: One 20-ton, marine railway is located on lower side of wharf.□□

Port Series: 31 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82300 San Francisco District

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Waterway: **South Bay** Mile: PWD: 76

Name: **Eureka Fisheries, Fields Landing Wharf.**

Port: Humboldt Bay

Location: South Bay, Humboldt Bay, below foot of C Street extended, Fields Landing. Datum: MLLW

Operator: Eureka Fisheries, Inc.

Owner: Furbreeders Agricultural Cooperative.

Address: Phone: 707-443-1673

Town: Fields Landing State: CA County: Humboldt

Railway Connection: None.

Purpose: Occasional receipt of seafood; mooring fishing boats.

Depth Alongside (feet): 8 - 10 | - | - Latitude (decimal): 40.727778

Total Berthing Space (feet): 450 | - | - Longitude (decimal): -124.2197

Remarks: Seafood processing plant is located at rear.□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82690 San Francisco District

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Waterway: **South Bay** Mile: PWD: 74

Name: **Humboldt Bay Forest Products, Fields Landing Wharf.**

Port: Humboldt Bay

Location: South Bay, Humboldt Bay, approximately 1,800 feet above foot of C Street extended, Datum: MLLW  
Fields Landing.

Operator: Humboldt Bay Forest Products, Inc.

Owner: Humboldt Bay Forest Products, Inc.

Address: Phone: 707-443-5631

Town: Fields Landing State: CA County: Humboldt

Railway Connection: None.

Purpose: Receipt and shipment of logs, lumber, and wood chips.

Depth Alongside (feet): 36 | | Latitude (decimal): 40.732778

Total Berthing Space (feet): 600 | | Longitude (decimal): -124.2181

Remarks: Approximately fifty acres of open storage area are located at rear with capacity for 50,000,000 FBM of logs.□

Port Series: 30 Year of Last Survey: 2000 Corps of Engnrs Waterway Code: 82690 San Francisco District

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## Port Facilities by Waterway

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Waterway: **South Bay** Mile: PWD: 77  
 Name: **Humboldt Bay Harbor, Recreation, and Conservation District, Fields**  
 Port: Humboldt Bay  
 Location: South Bay, Humboldt Bay, foot of South Bay Depot Road extended, Fields Landing. Datum: MLLW  
 Operator: Humboldt Bay Harbor, Recreation, and Conservation District.  
 Owner: Humboldt Bay Harbor, Recreation, and Conservation District.  
 Address: Phone: 707-443-0801  
 Town: Fields Landing State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Mooring vessels and small craft for repair.  
 Depth Alongside (feet): 18 - 26 | 18 - 26 | Latitude (decimal): 40.723056  
 Total Berthing Space (feet): 1,000 | | Longitude (decimal): -124.2219  
 Remarks: Portions of wharf were in poor condition at time of survey (1999). Two 200- by 7-foot, concrete pile, concrete-capped piers with approximately 25-foot interior clearance, serve a 150-ton, diesel, mobile vertical boat lift.

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82690 San Francisco District

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Waterway: **South Bay** Mile: PWD: 75  
 Name: **Hunter Enterprises, Fields Landing Floats.**  
 Port: Humboldt Bay  
 Location: South Bay, Humboldt Bay, above foot of C Street extended, Fields Landing. Datum: MLLW  
 Operator: Hunter Enterprises.  
 Owner: Hunter Enterprises.  
 Address: 100 C Street. Phone: 707-441-1070  
 Town: Fields Landing State: CA County: Humboldt  
 Railway Connection: None.  
 Purpose: Mooring fishing vessels.  
 Depth Alongside (feet): 0 - 8 | | Latitude (decimal): 40.728333  
 Total Berthing Space (feet): 80 | - | Longitude (decimal): -124.2192  
 Remarks: -□□

Port Series: 30 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82690 San Francisco District

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Waterway: **Tidal Canal** Mile: PWD: 27  
 Name: **Dutra Construction Co., Alameda Wharf.**  
 Port: Alameda  
 Location: South side, Tidal Canal, foot of Walnut Street extended. Datum: MLLW  
 Operator: Dutra Construction Co., Inc.  
 Owner: The Dutra Group.  
 Address: 2199 Clement Avenue. Phone: 510-522-3758  
 Town: Alameda State: CA County: Alameda  
 Railway Connection: None.  
 Purpose: Mooring derrick barges and other company-owned, floating equipment.  
 Depth Alongside (feet): 10 - 0 | | Latitude (decimal): 37.773889  
 Total Berthing Space (feet): 680 | | Longitude (decimal): -122.2406  
 Remarks: Contractor's dispatch office and maintenance buildings are located at rear. □□

Port Series: 31 Year of Last Survey: 2000 Corps of Engrs Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway: **Tidal Canal** Mile: PWD: 25

Name: **Hanson Aggregates Mid-Pacific, Oakland Wharf.**

Port: Oakland

Location: North side, Tidal Canal, 400 feet above High Street Bridge. Datum: MLLW

Operator: Hanson Aggregates Mid-Pacific, Ltd.

Owner: Hanson Aggregates Mid-Pacific, Ltd.

Address: 4501 Tidewater Avenue. Phone: 510-261-8533

Town: Oakland State: CA County: Alameda

Railway Connection: None.

Purpose: Receipt of sand and gravel by barge.

Depth Alongside (feet): 15 | | Latitude (decimal): 37.763333

Total Berthing Space (feet): 238 | | Longitude (decimal): -122.2228

Remarks: Approximately 2 1/2 acres of open storage area are located in rear. □□

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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Waterway: **Tidal Canal** Mile: PWD: 26

Name: **Stone Boat Yard Wharf.**

Port: Alameda

Location: South side, Tidal Canal, between foot of Broadway and Everett Street. Datum: MLLW

Operator: Stone Boat Yard.

Owner: David Olson.

Address: 2517 Blanding Avenue. Phone: 415-523-3030

Town: Alameda State: CA County: Alameda

Railway Connection: None.

Purpose: Mooring small vessels for repair and outfitting.

Depth Alongside (feet): 17 | 17 | 17 Latitude (decimal): 37.770278

Total Berthing Space (feet): 150 | 90 | 80 Longitude (decimal): -122.2333

Remarks: Two parallel steel pile, steel frame runways extend from face of wharf forming a 50- by 22-foot rectangular slip for one 50-ton, diesel, mobile, vertical boat lift. A 500-ton marine railway located at upper side of wharf.

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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Waterway: **Tidal Canal** Mile: PWD: 28

Name: **U.S. Naval and Marine Corps Reserve Center Alameda Wharf.**

Port: Alameda

Location: South side, Tidal Canal, 300 feet above foot of Willow Street extended. Datum: MLLW

Operator: Not operated.

Owner: U. S. Government.

Address: 2144 Clement Avenue. Phone: 510-814-2622

Town: Alameda State: CA County: Alameda

Railway Connection: None.

Purpose: Not used.

Depth Alongside (feet): 13 - 14 | | Latitude (decimal): 37.775278

Total Berthing Space (feet): 50 | | Longitude (decimal): -122.2419

Remarks: Approximately 14 acres of open storage area and Naval and Marine Corps Reserve Center are located at rear. □

Port Series: 31 Year of Last Survey: 2000 Corps of Engns Waterway Code: 82280 San Francisco District

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## Port Facilities by Waterway

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Waterway:	<b>West Point Slough</b>	Mile:	PWD: 46
Name:	<b>Port of Redwood City Barge Wharf.</b>		
Port:	Redwood City		
Location:	Left bank, Westpoint Slough, above junction with Redwood Creek.	Datum:	MLLW
Operator:	Bell Marine Co., Inc.		
Owner:	Port of Redwood City.		
Address:		Phone:	650-369-9189
Town:	Redwood City	State:	CA
		County:	San Mateo
Railway Connection:	None.		
Purpose:	Mooring company-owned tugboats and barges.		
Depth Alongside (feet):	5 - 12	Latitude (decimal):	37.5175
Total Berthing Space (feet):	640	Longitude (decimal):	-122.2042
Remarks:	Approximately 9.2 acres of open storage area are located at rear.□□		
Port Series:	30	Year of Last Survey:	2000
Corps of Engnr's	Waterway Code:	82238	San Francisco District

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US Army Corps of Engineers  
Dredging Contracts Awarded

**District San Francisco**

JOBNAME	Dredge Type	Bid Date	Quantity Cubic Yards	Government Estimate	Winning Bid	Winning Bidder	Status of Business	Number of Bidders
FY 1996 Awards								
HUMBOLDT HBR (BAR & ENTR.)	H	8/22/1996	696,800	\$1,225,730	\$1,136,000	MANSON CONSTR. & ENGRNG CO	L	2
MOSS LANDING HARBOR	P	5/2/1996	28,000	\$325,800	\$312,000	NEHALEM RIVER DREDGING	E	4
OAKLAND ARMY BASE	H	12/21/1995	20,000	\$145,000	\$131,760	MANSON CONSTR. & ENGRNG CO	L	3
PETALUMA RIVER, RIVER CH.	P	8/23/1996	164,700	\$935,830	\$759,100	NEHALEM RIVER DREDGING	E	3
REDWOOD CITY HARBOR	B	2/22/1996	1,080,000	\$4,066,400	\$4,197,786	DUTRA DREDGING CO.	L	3
SUISUN BAY CHANNEL	H	7/11/1996	186,000	\$630,000	\$742,140	MANSON CONSTR. & ENGRNG CO	L	2
			2,175,500	\$7,328,760	\$7,278,786			
FY 1997 Awards								
Humboldt Bar & Entrance	H	9/15/1997	490,500	\$1,015,691	\$991,110	MANSON CONSTR. & ENGRNG CO	L	1
NAPA RIVER	P	8/25/1997	150,000	\$1,291,872	\$712,080	ROY D. GARREN, INC.	S	3
Richmond Harbor (-11.6 M)	W	4/24/1997	2,091,000	\$22,949,500	\$26,367,300	MANSON/GREAT LAKES-JV	L	1
SAN LEANDRO MARINA	X	4/16/1997	172,000	\$1,794,110	\$1,492,665	ROSS ISLAND SAND & GRAVEL CO.	L	4
SAN RAFAEL CREEK (FLATS)	X	7/15/1997	156,500	\$662,200	\$998,150	MANSON CONSTR. & ENGRNG CO	L	2
			3,060,000	\$27,713,373	\$30,561,305			
FY 1998 Awards								
CRESCENT CITY HARBOR	X	8/20/1998	65,000	\$450,370	\$252,500	NEHALEM RIVER DREDGING	E	3
OAKLAND HARBOR (Inner)	H	9/12/1998	205,000	\$895,359	\$723,000	GREAT LAKES DREDGE & DOCK CO.	L	3
Oakland Harbor (Outer)	H	7/10/1998	352,700	\$1,235,020	\$1,530,260	MANSON CONSTR. & ENGRNG CO	L	4
Petaluma River (ATF)	H	9/10/1998	211,800	\$1,948,979	\$1,058,200	MANSON CONSTR. & ENGRNG CO	L	3
SUISUN BAY CHANNEL	H	5/22/1998	720,000	\$1,478,663	\$1,236,800	MANSON CONSTR. & ENGRNG CO	L	1
			1,554,500	\$6,008,391	\$4,800,760			
FY 1999 Awards								
Humboldt Deepening	H	4/30/1999	5,500,000	\$17,755,000	\$13,470,000	MANSON CNST/BEAN STUYVESANT JV	L	2
Moss Landing Harbor	P	10/13/1998	39,300	\$535,250	\$459,885	NEHALEM RIVER DREDGING	E	1
Moss landing Harbor	P	4/29/1999	63,200	\$1,369,470	\$868,448	NEHALEM RIVER DREDGING	E	3
Napa River	B	7/6/1999	140,000	\$1,302,668	\$1,335,000	DUTRA DREDGING CO.	L	4
Oakland Harbor	B	8/10/1999	364,300	\$7,231,575	\$7,529,234	DUTRA DREDGING CO.	L	2
Pinole Shoals Channel	H	4/22/1999	450,500	\$2,269,478	\$2,098,775	NATCO LIMITED PARTNERSHIP	L	3
Redwood City Harbor	H	10/9/1998	534,000	\$3,186,856	\$2,265,300	MANSON CONSTR. & ENGRNG CO	L	3
Suisun Bay Channel	H	7/23/1999	146,000	\$2,073,592	\$2,499,480	MANSON CONSTR. & ENGRNG CO	L	2
			7,237,300	\$35,723,889	\$30,526,122			

US Army Corps of Engineers  
Dredging Contracts Awarded

**District San Francisco**

JOBNAME	Dredge Type	Bid Date	Quantity Cubic Yards	Government Estimate	Winning Bid	Winning Bidder	Status of Business	Number of Bidders
FY 2000 Awards								
Oakland Harbor (In & Out)	B	3/17/2000	476,468	\$7,231,575	\$7,529,234	DUTRA DREDGING CO.	L	2
			476,468	\$7,231,575	\$7,529,234			
Dredge Type				Status of Business				
B Bucket	S Sidecaster			E Emerging Small				
D Dustpan	W Combination - All types			L Large				
H Hopper	X Pipeline & Bucket			S Small				
N Nonconventional	Y Pipeline & Hopper							
P Pipeline	Z Hopper & Bucket							
	u undefined							